

FIG. 4A

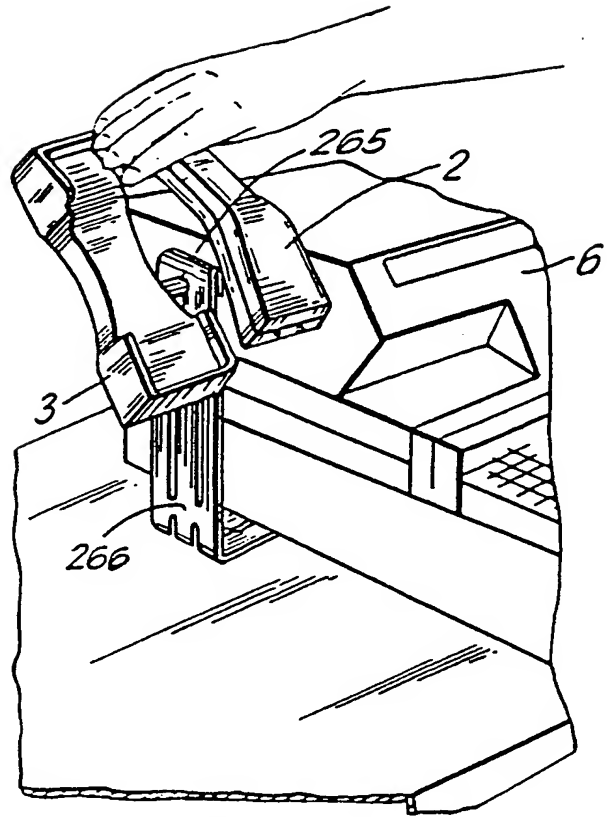


FIG. 4B

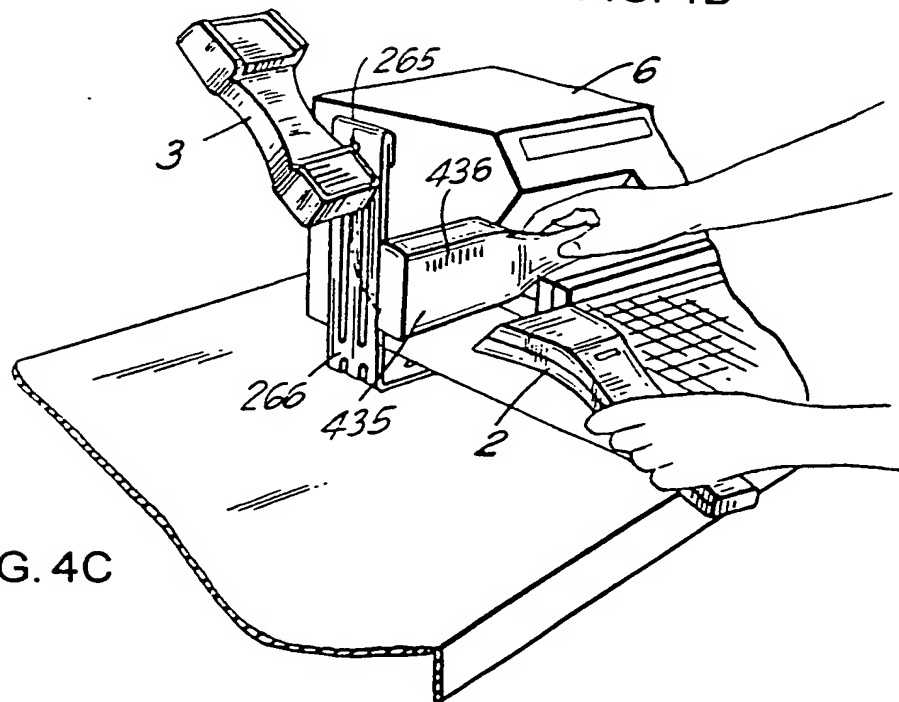


FIG. 4C

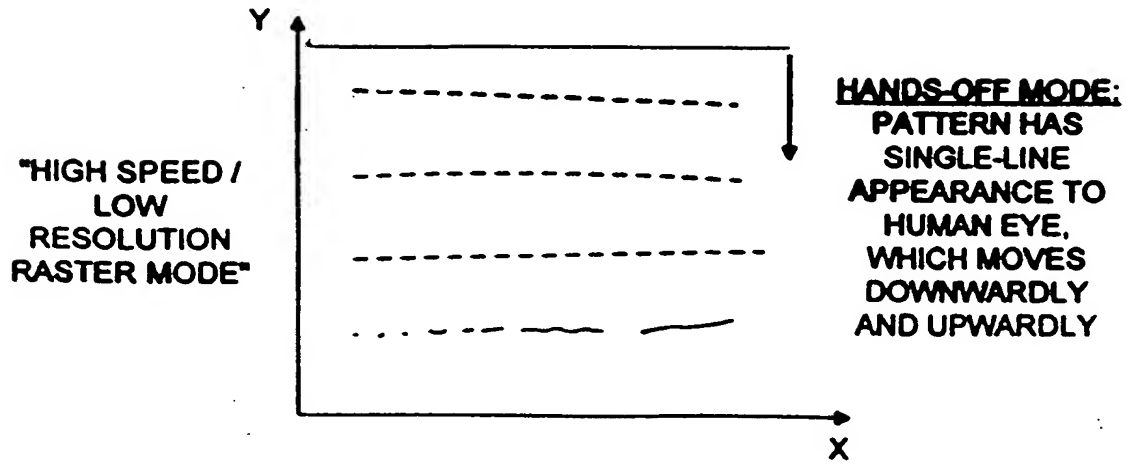


FIG. 4A1

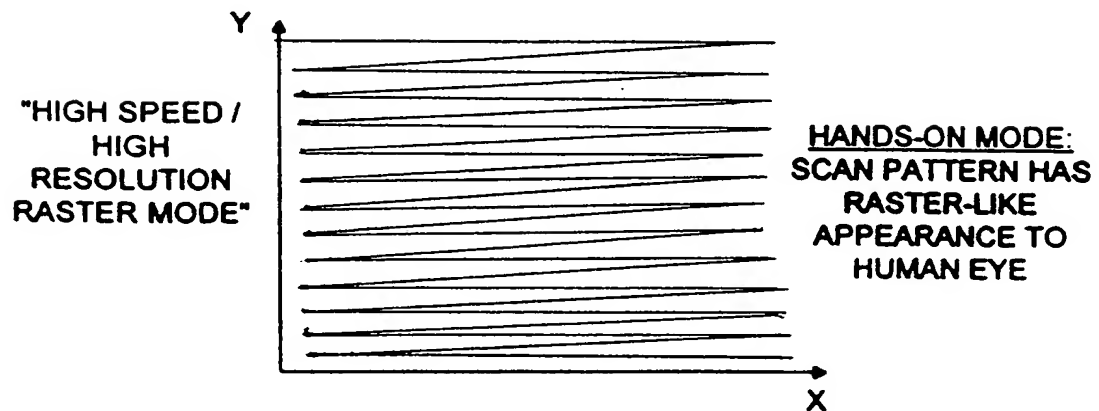


FIG. 4C1

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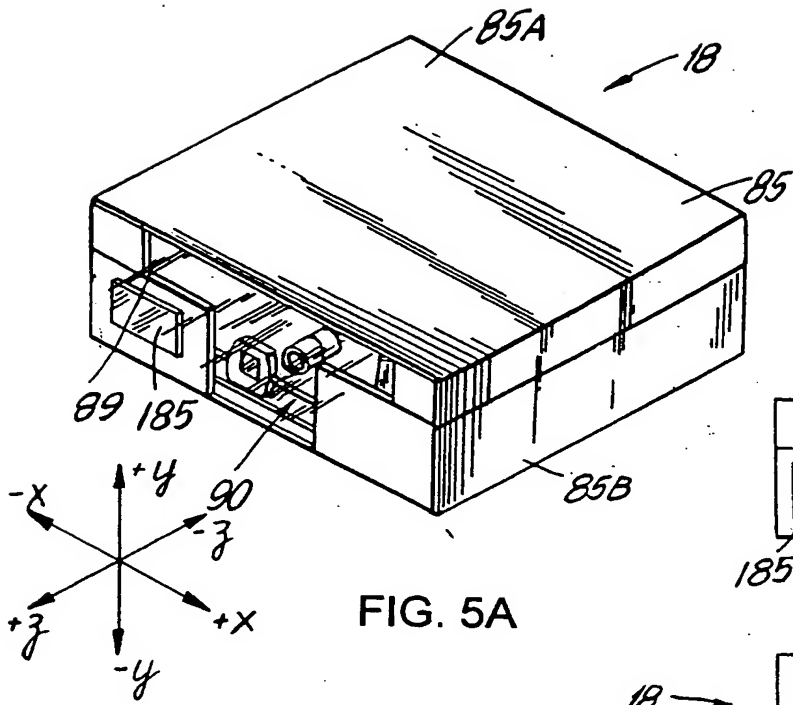


FIG. 5A

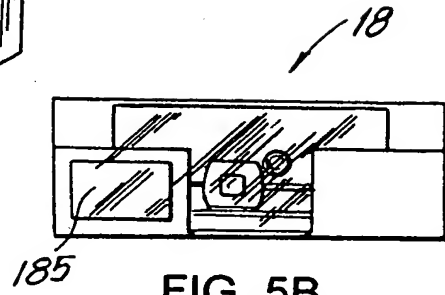


FIG. 5B

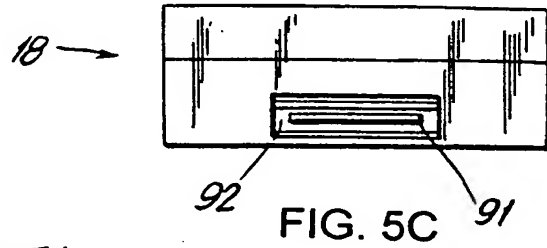


FIG. 5C

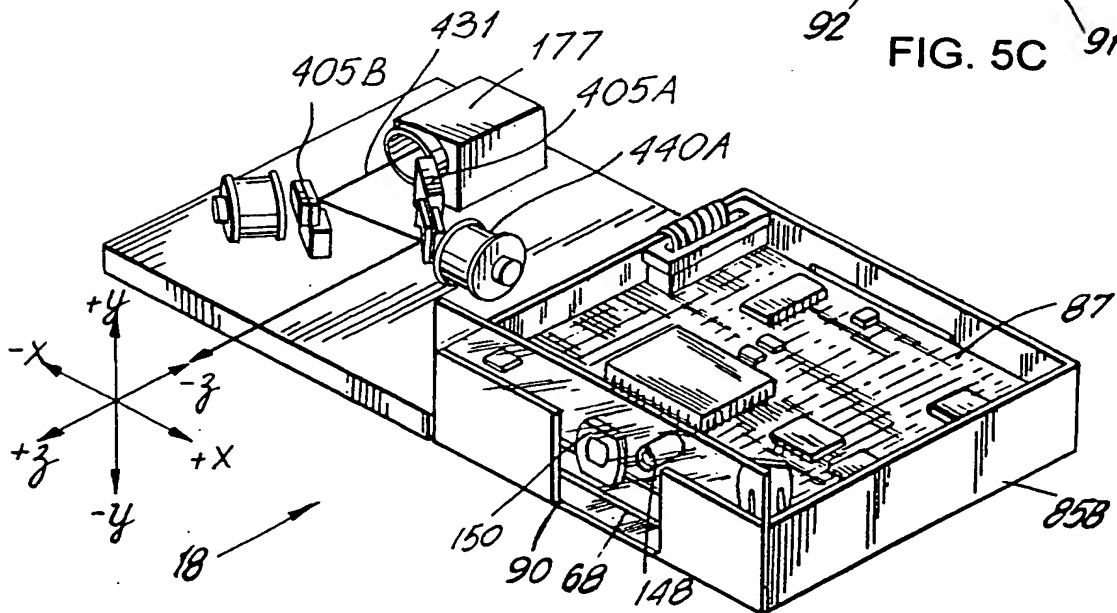


FIG. 5D

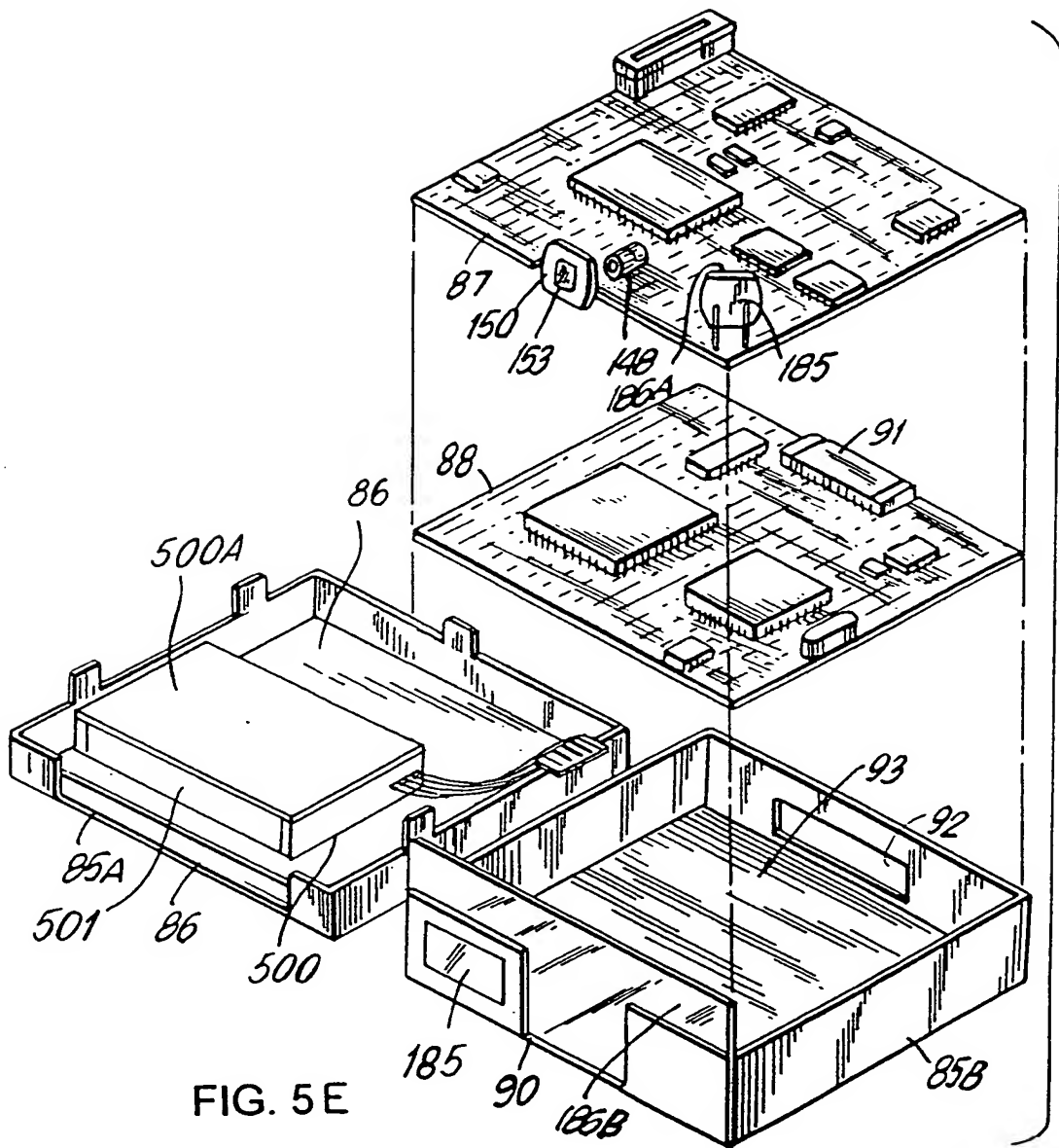


FIG. 5E

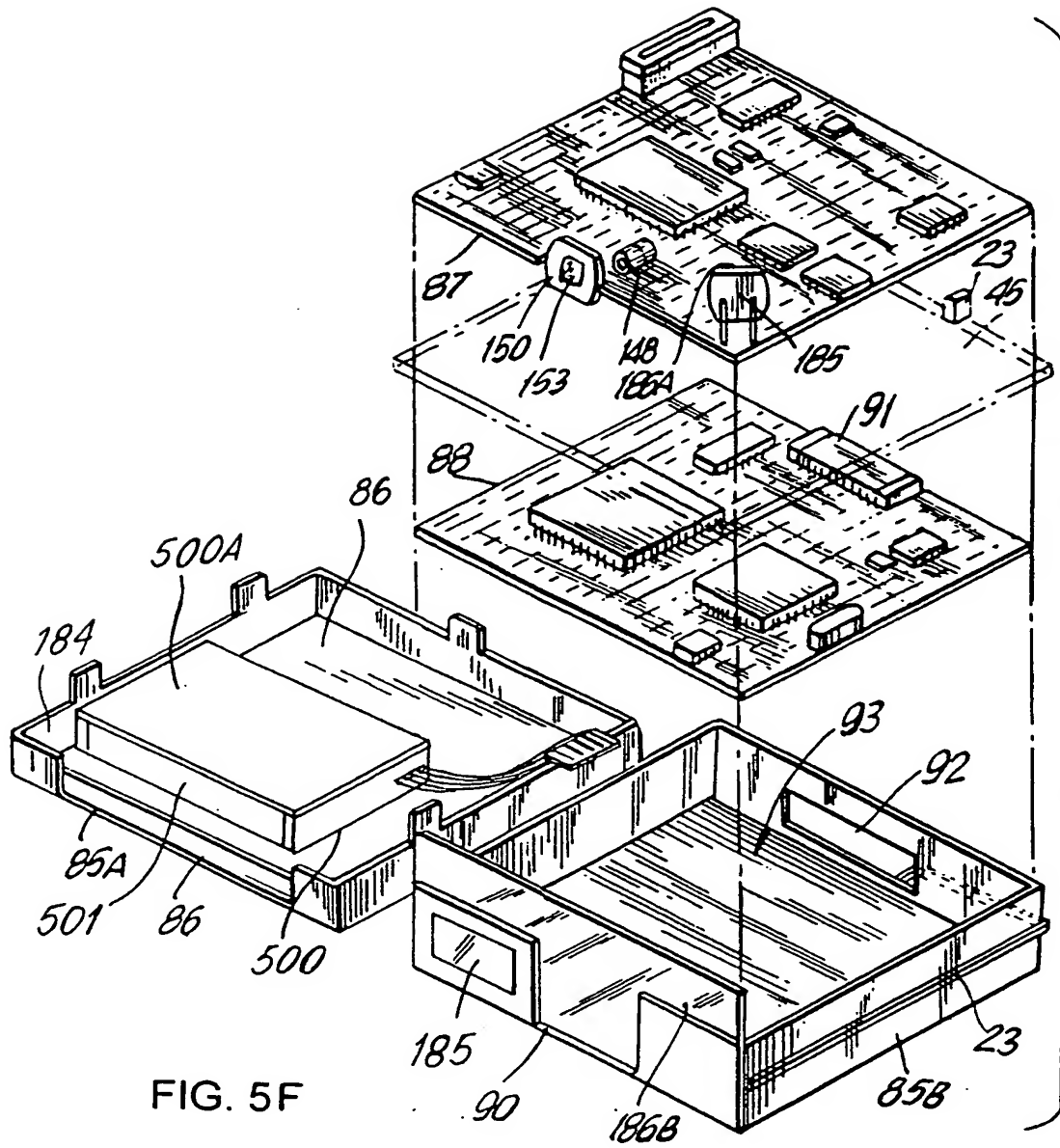


FIG. 5F

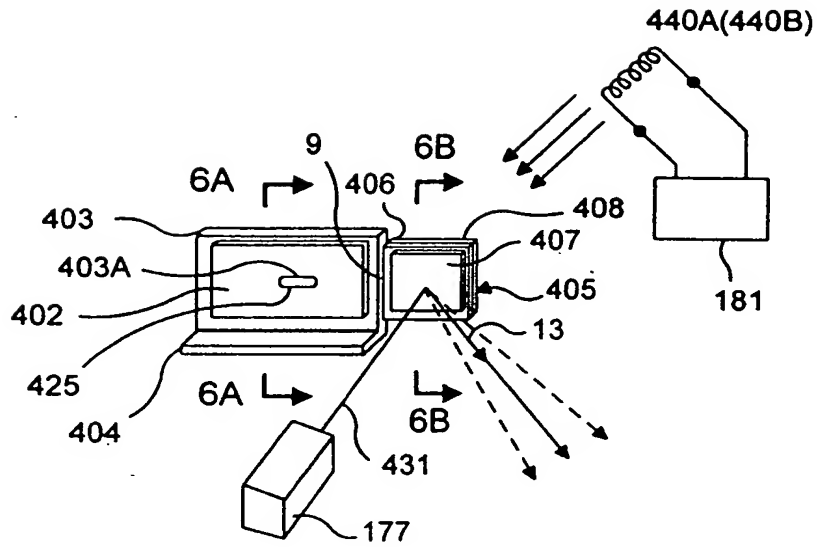


FIG. 6

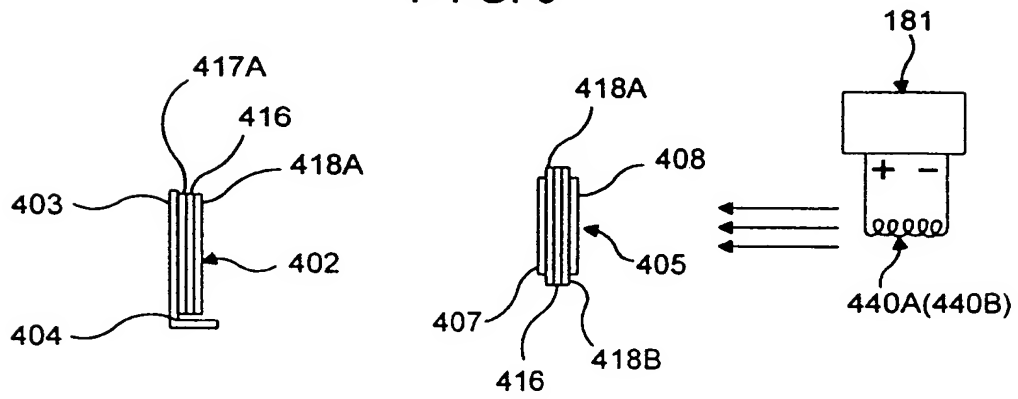


FIG. 6A

FIG. 6B

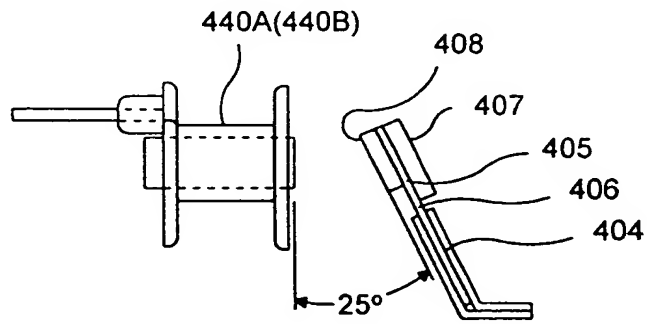


FIG. 6C

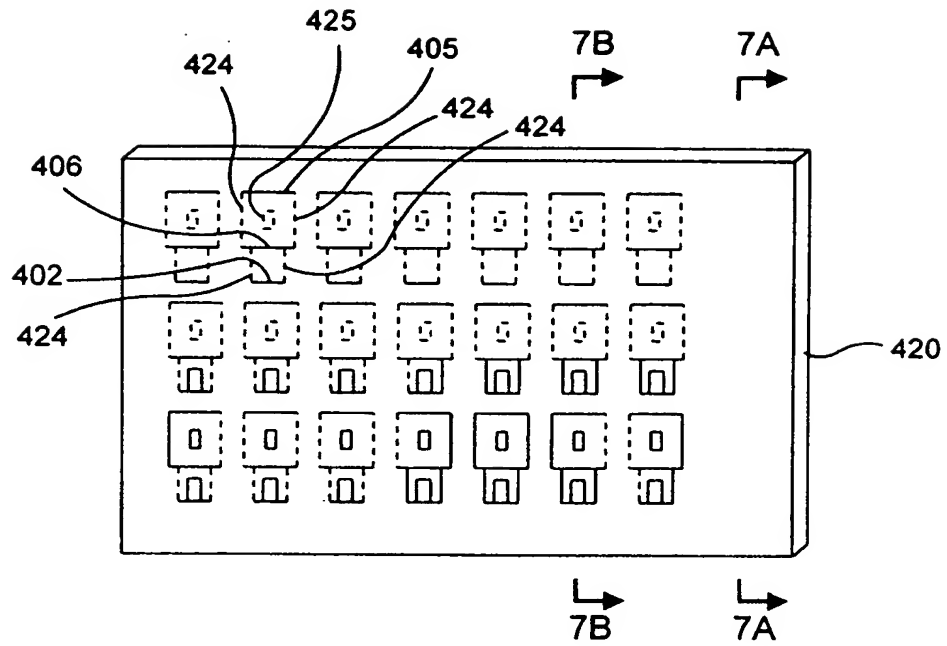


FIG. 7

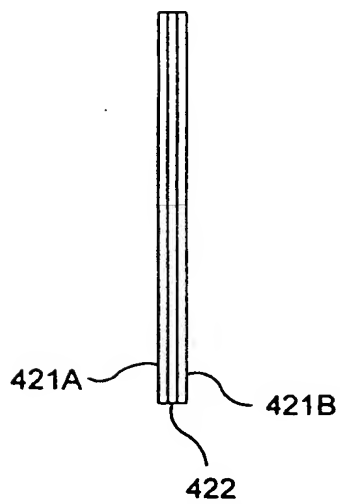


FIG. 7A

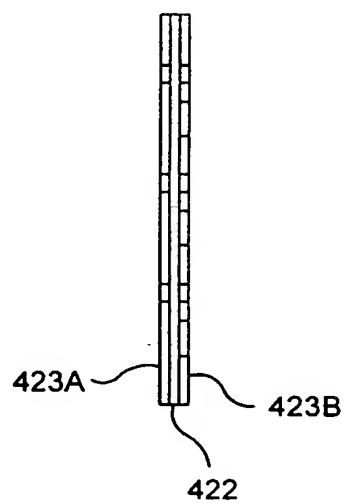


FIG. 7B

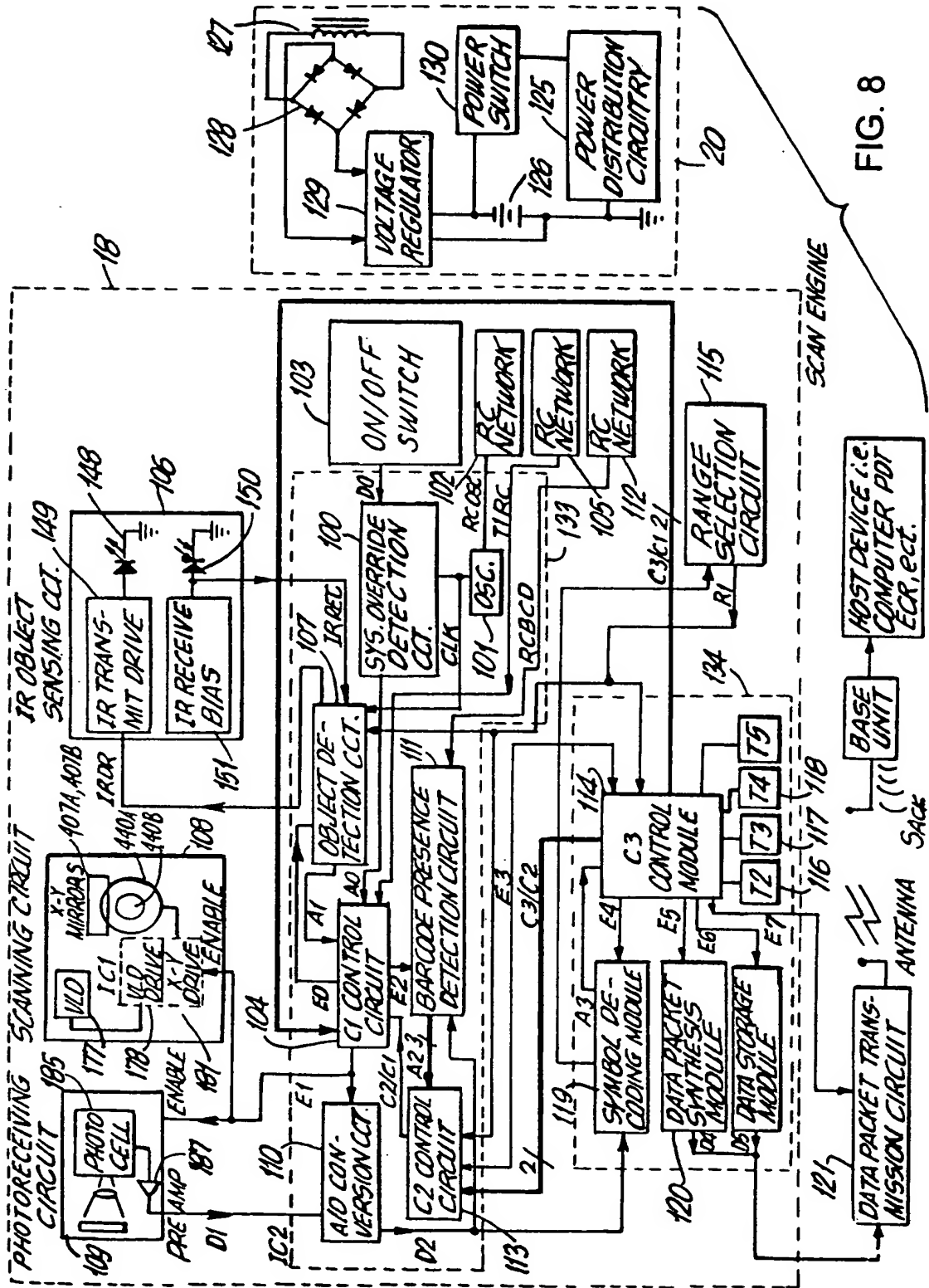
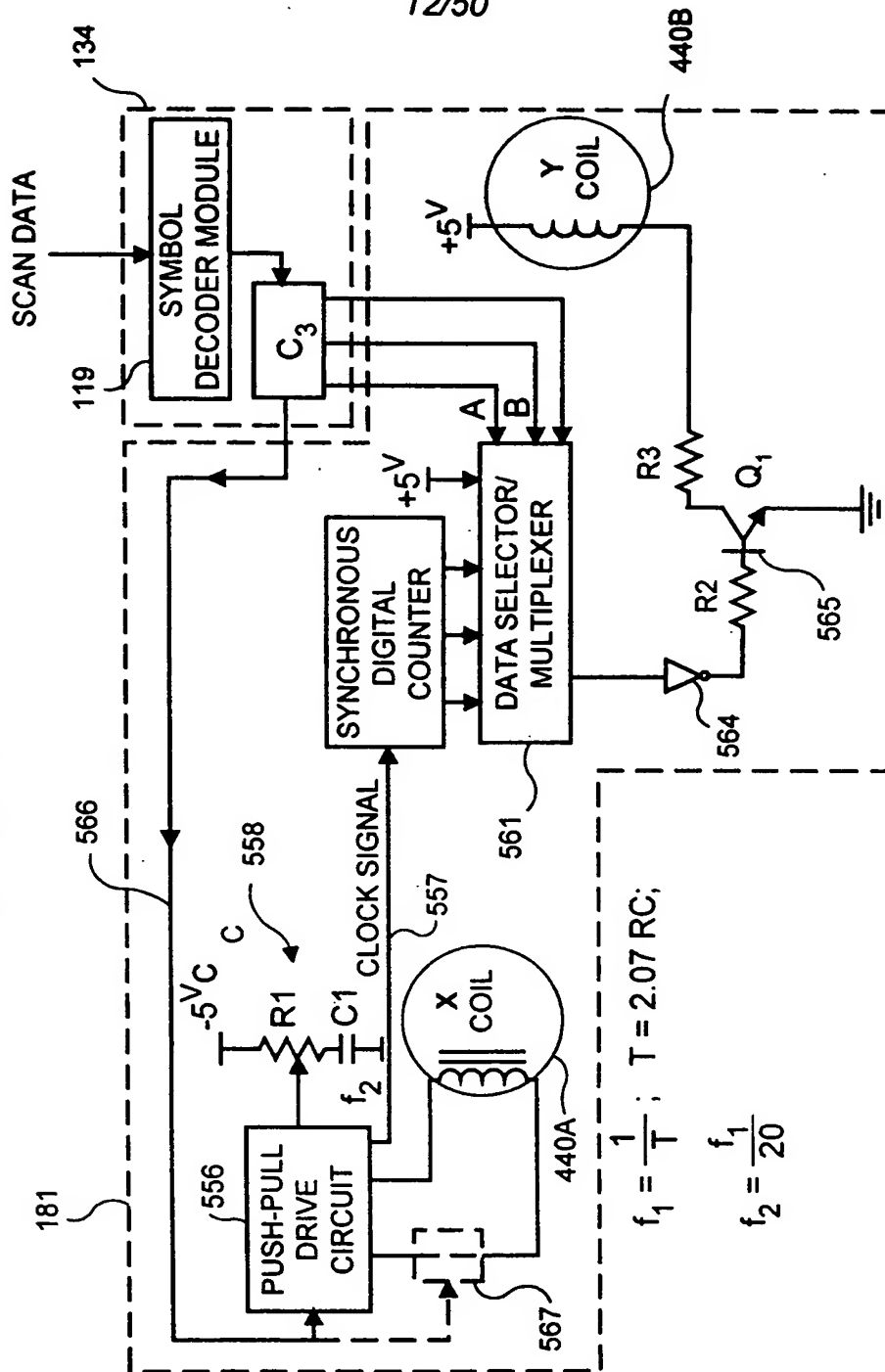


FIG. 8

X AND Y COIL DRIVE SIGNAL GENERATOR



$$f_1 = \frac{1}{T}; \quad T = 2.07 RC;$$

$$f_2 = \frac{f_1}{20}$$

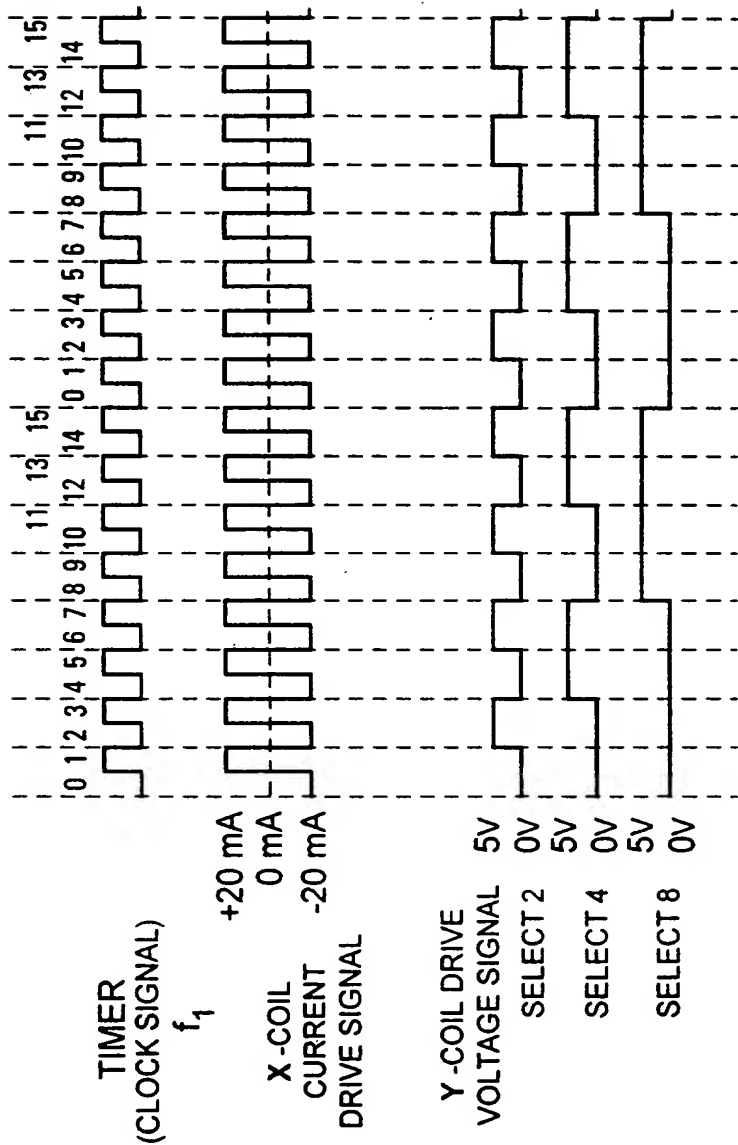
FIG. 8B1

FIG. 8B2

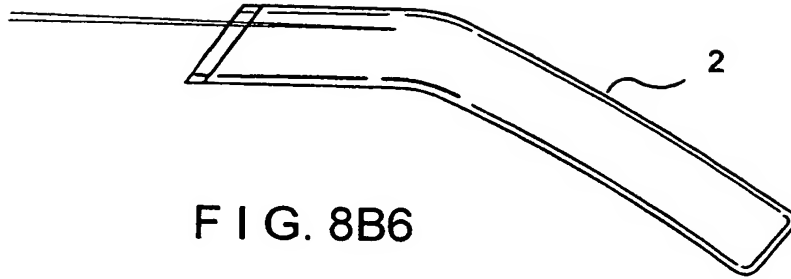
FIG. 8B3

FIG. 8B4

FIG. 8B5

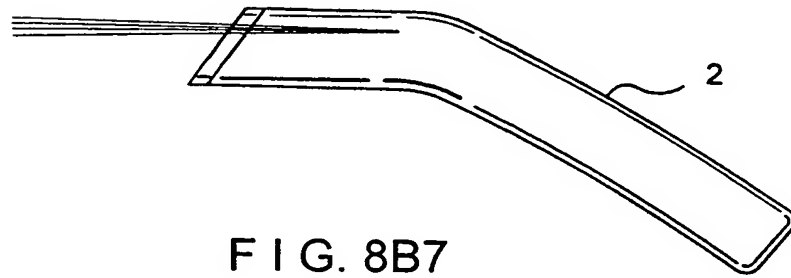


2-LINE
RASTER



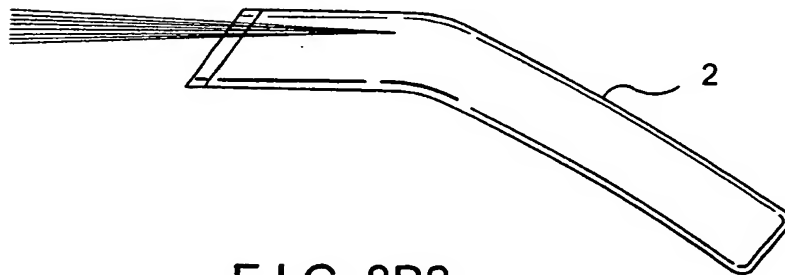
F I G. 8B6

4-LINE
RASTER



F I G. 8B7

8-LINE
RASTER



F I G. 8B8

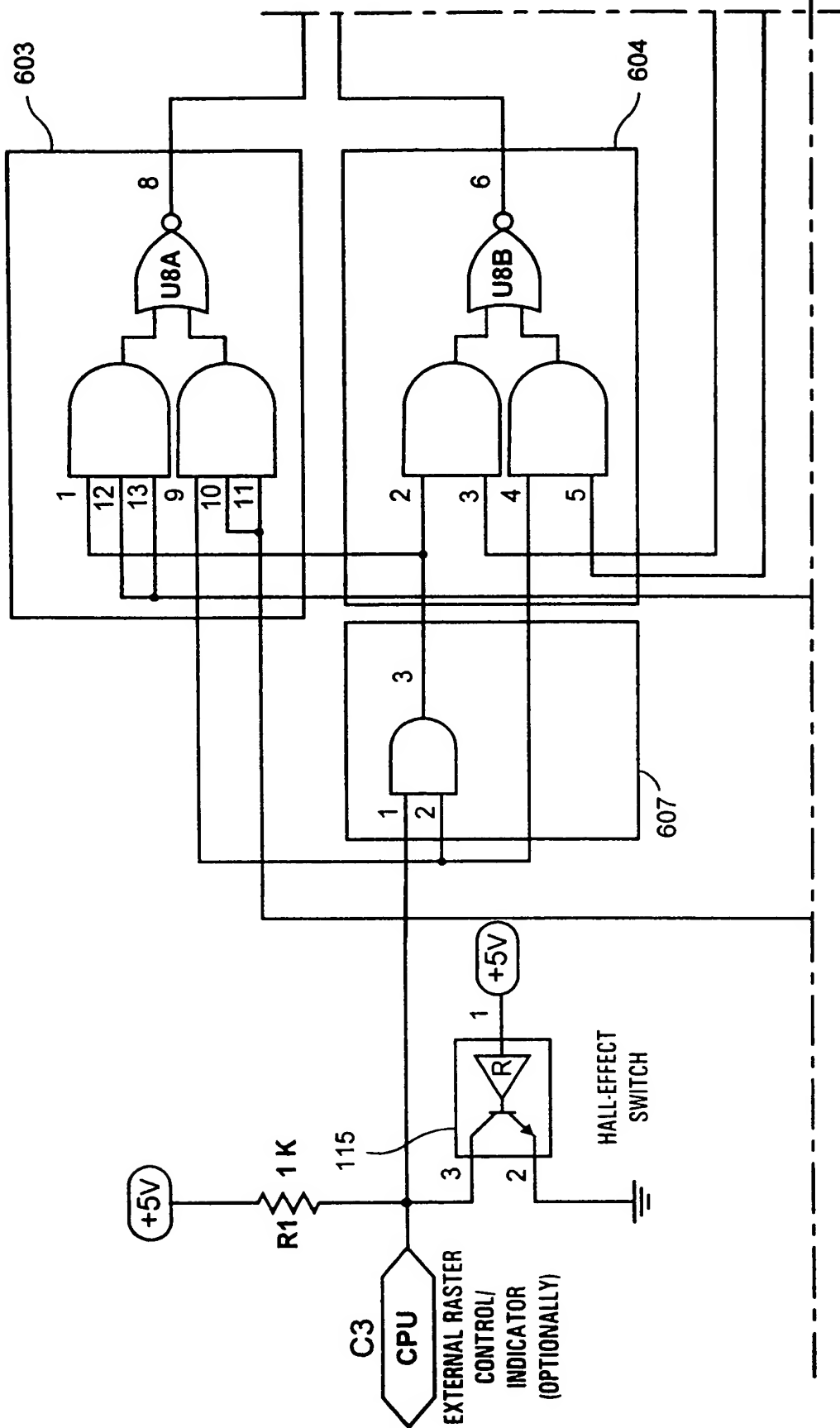


FIG. 8CA

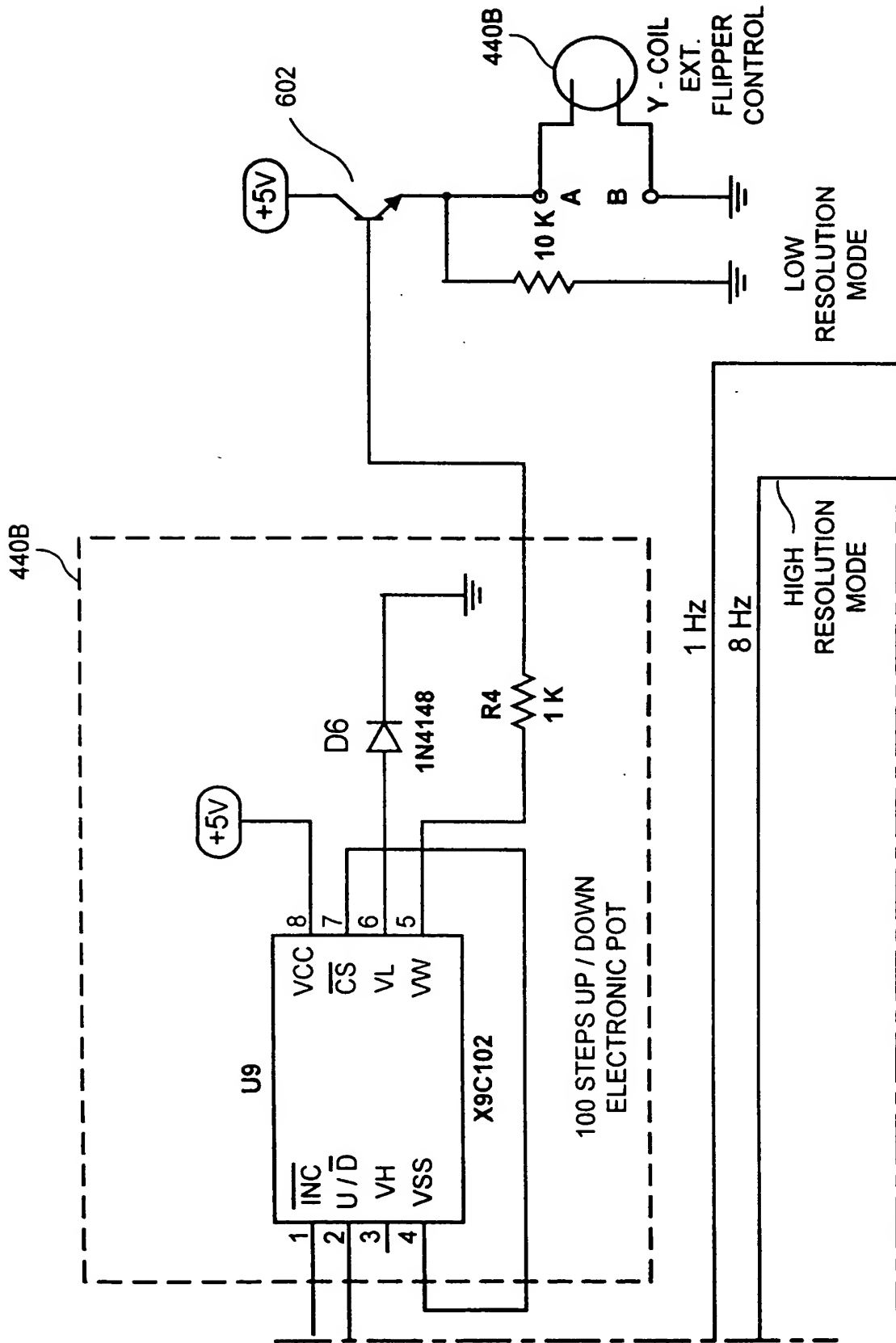


FIG. 8CB

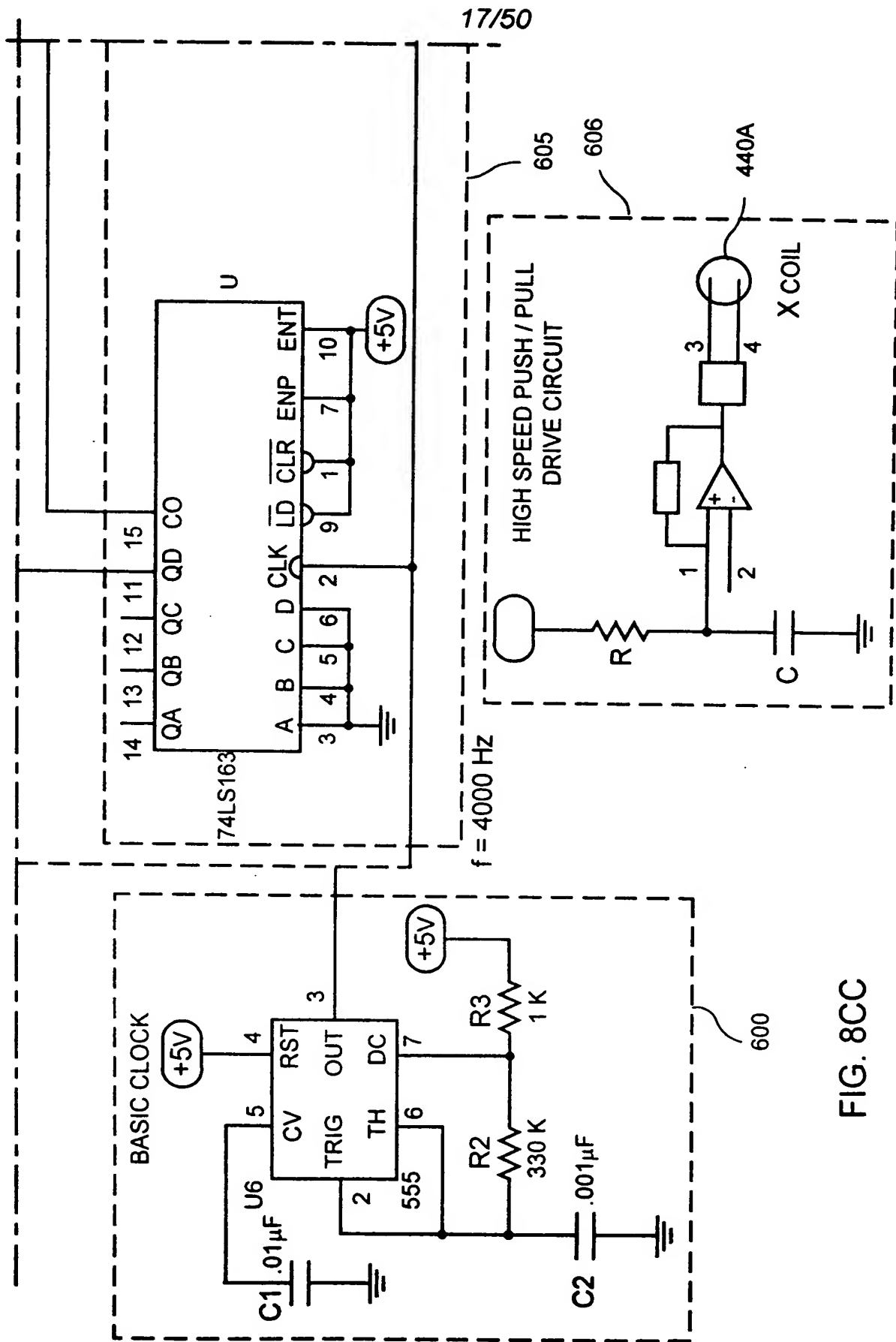


FIG. 8CC

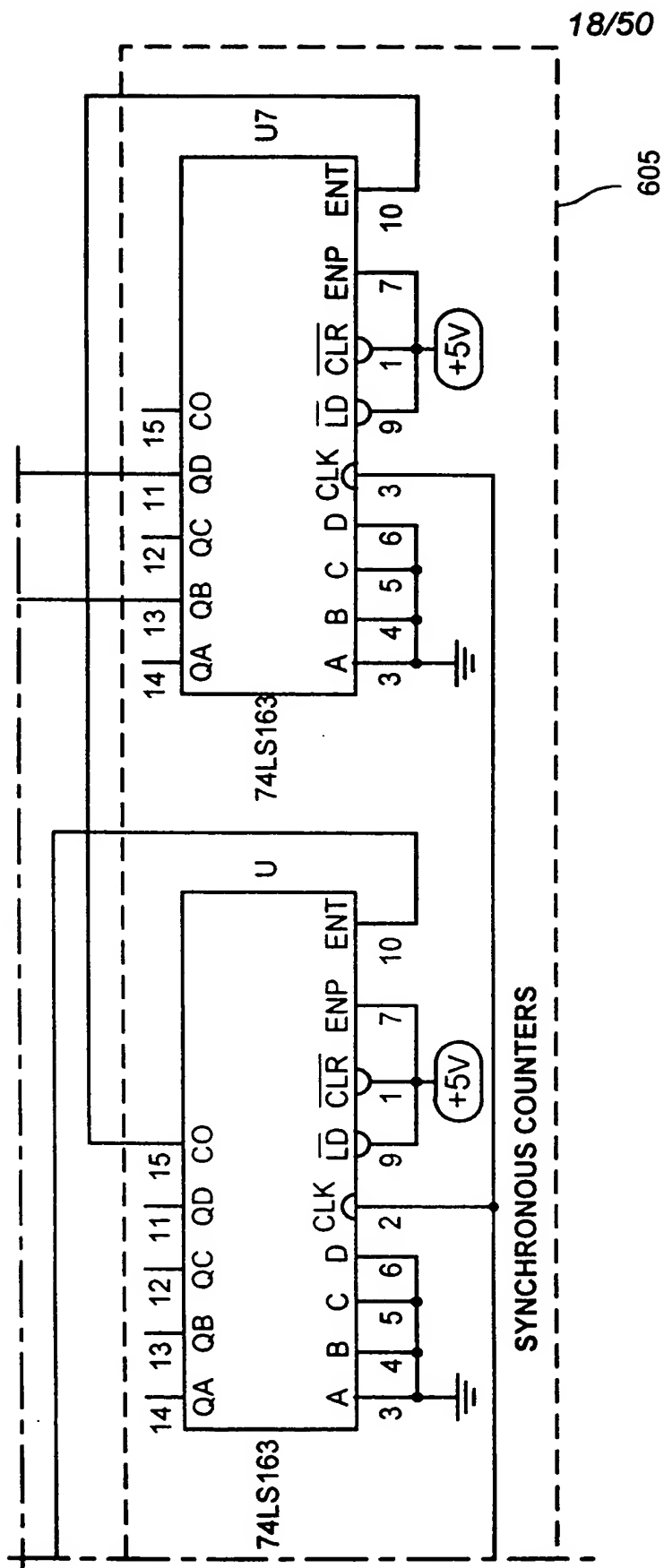


FIG. 8CD

ELECTRONICALLY-CONTROLLED POTENTIOMETER CIRCUIT

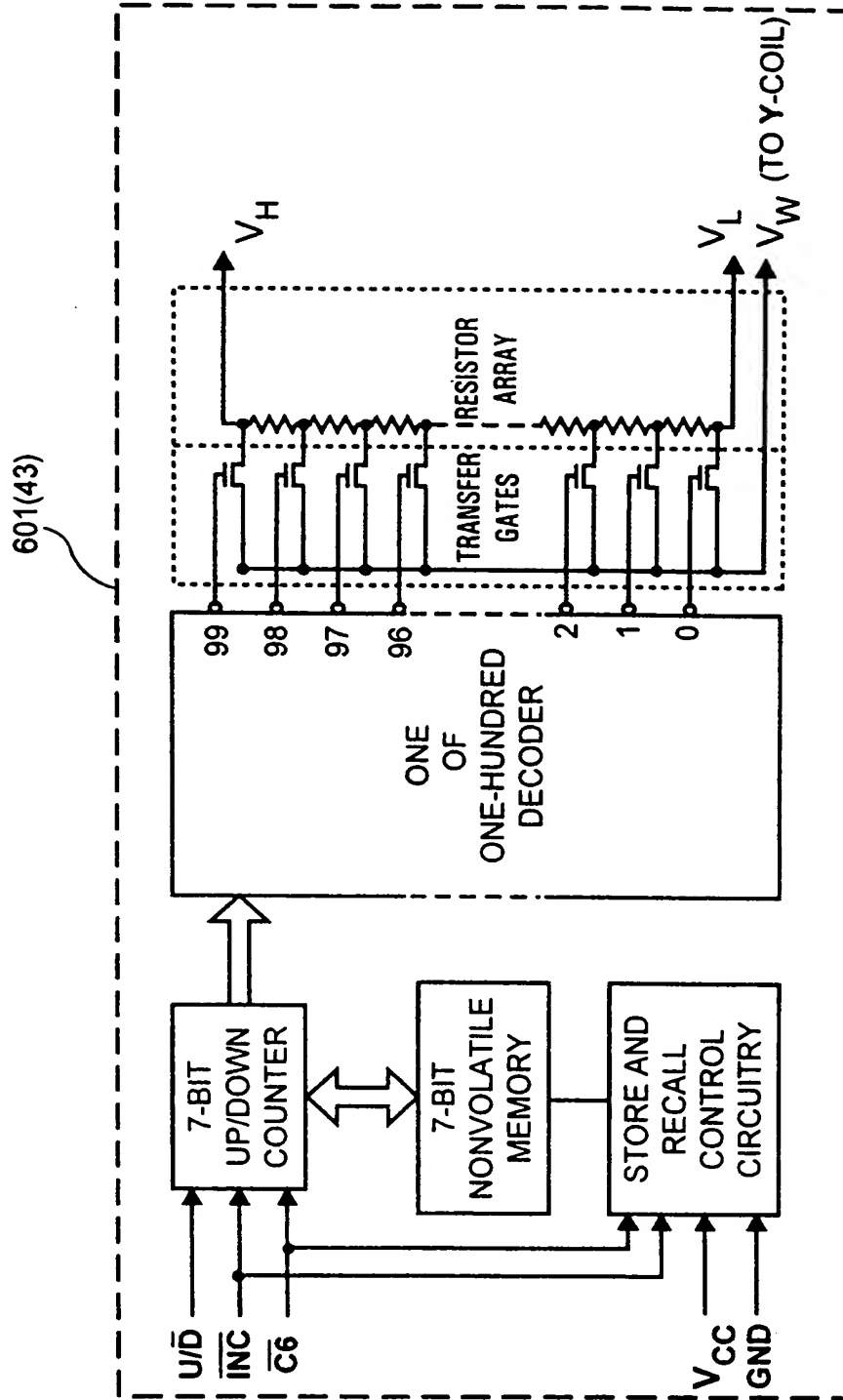


FIG. 8C1

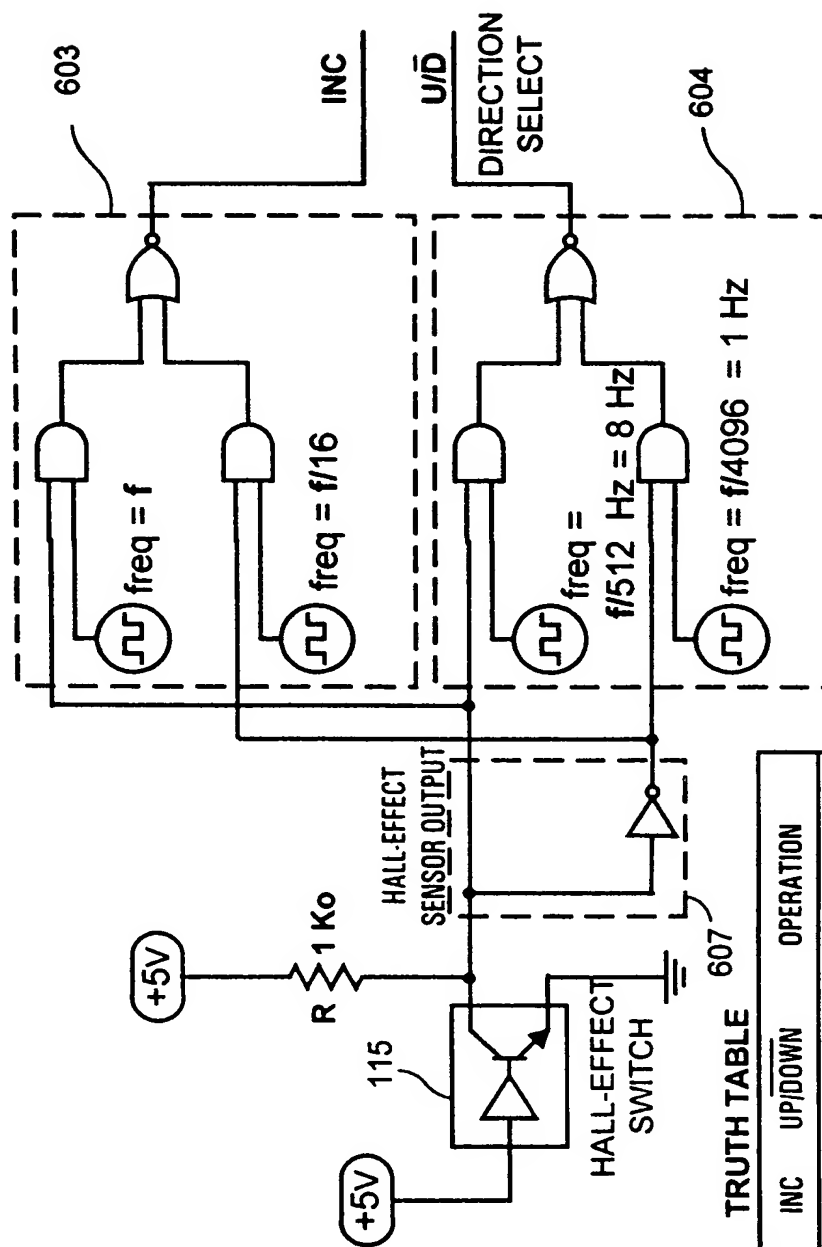


FIG. 8C2

X-COIL FLIPPER FREQUENCY IS APPROXIMATELY EQUAL TO f / 16

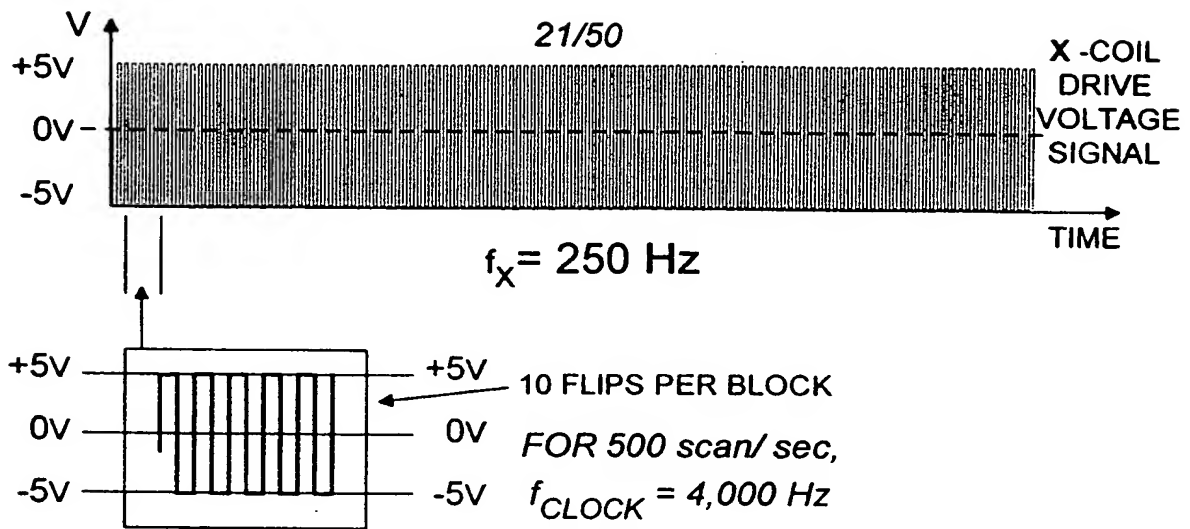


FIG. 8D1

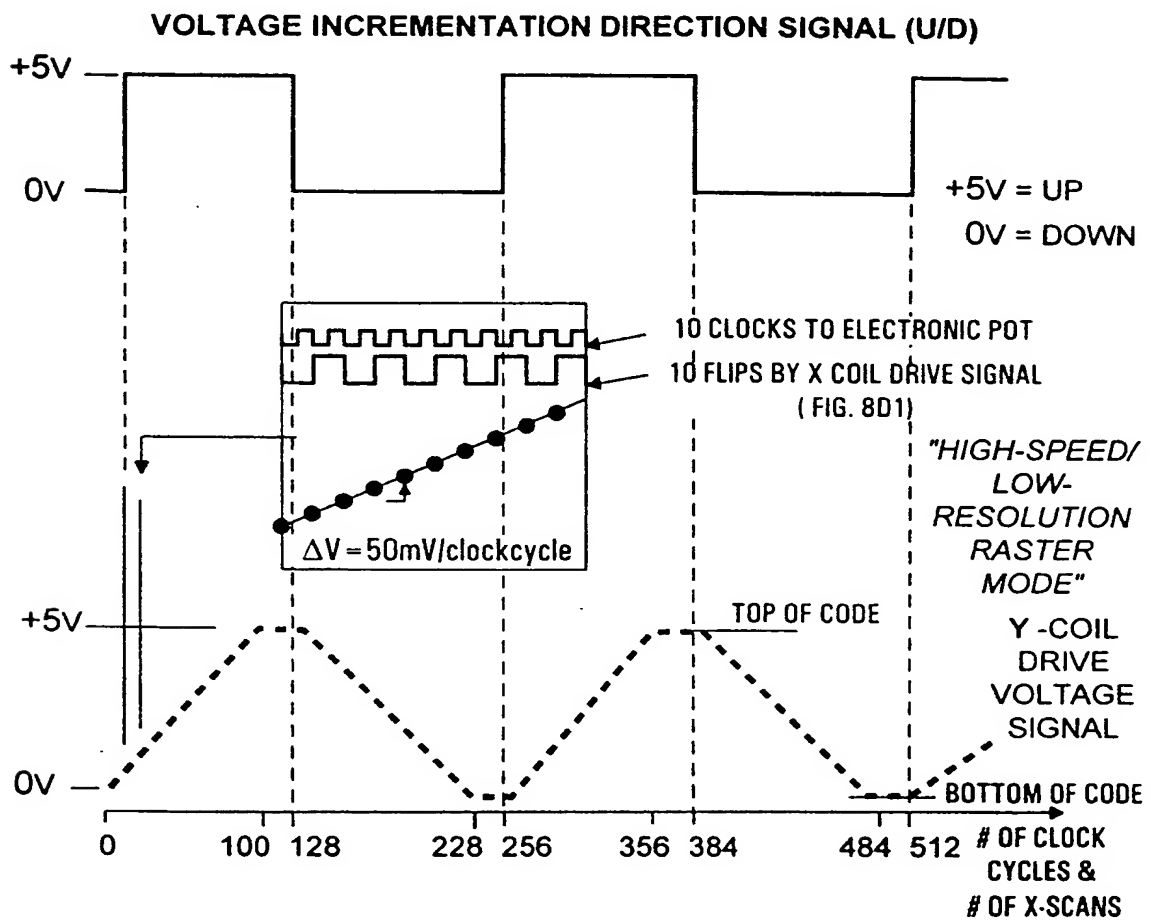


FIG. 8D2

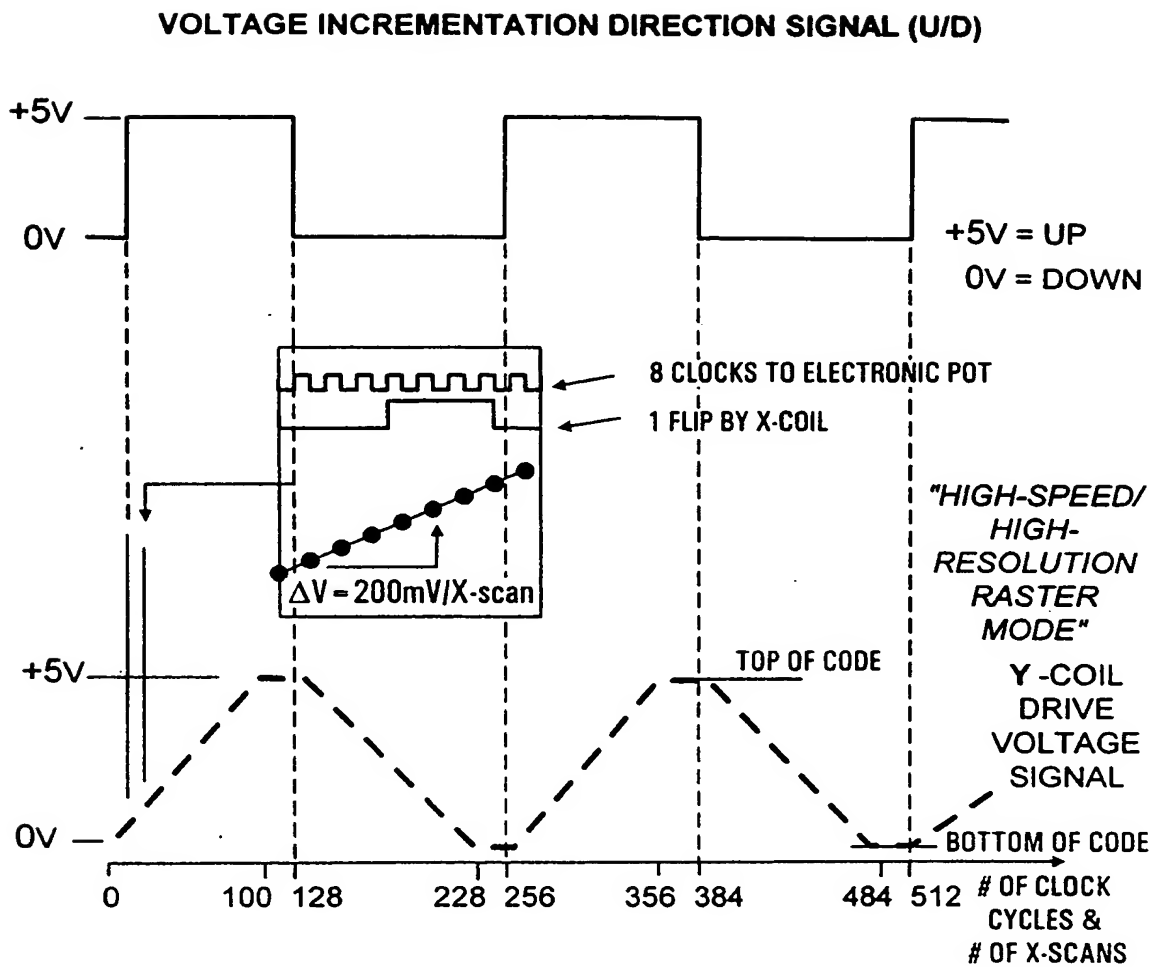


FIG. 8D3

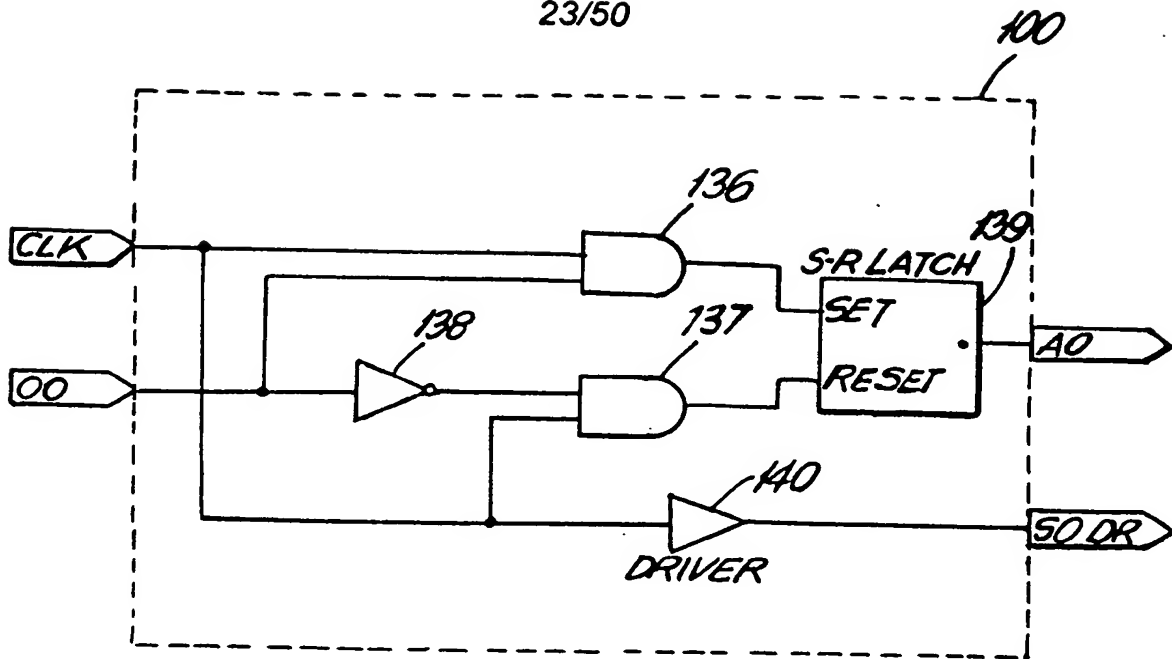


FIG. 8E

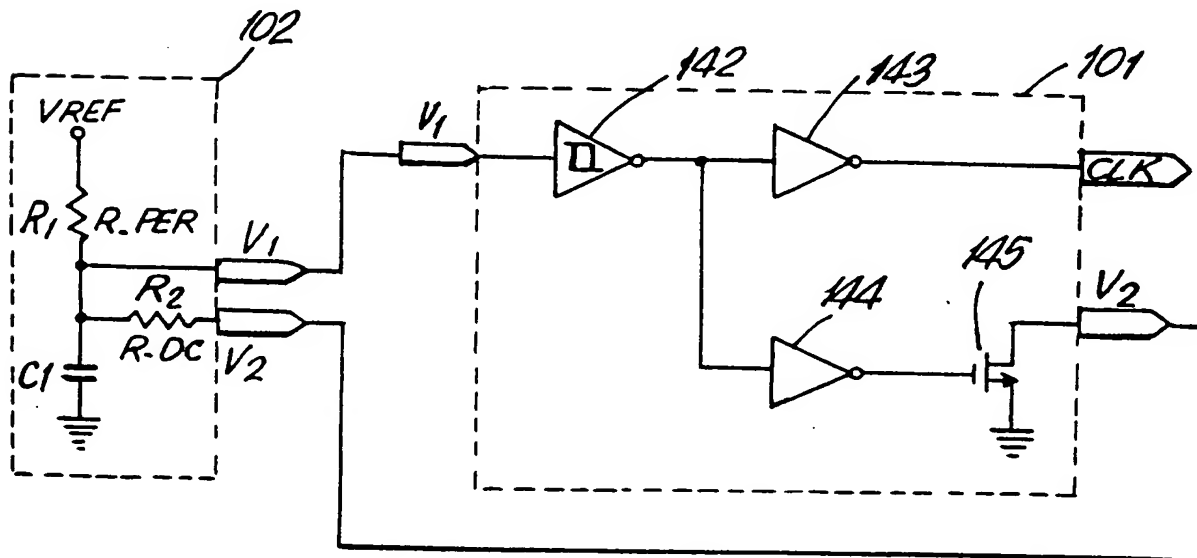


FIG. 8F

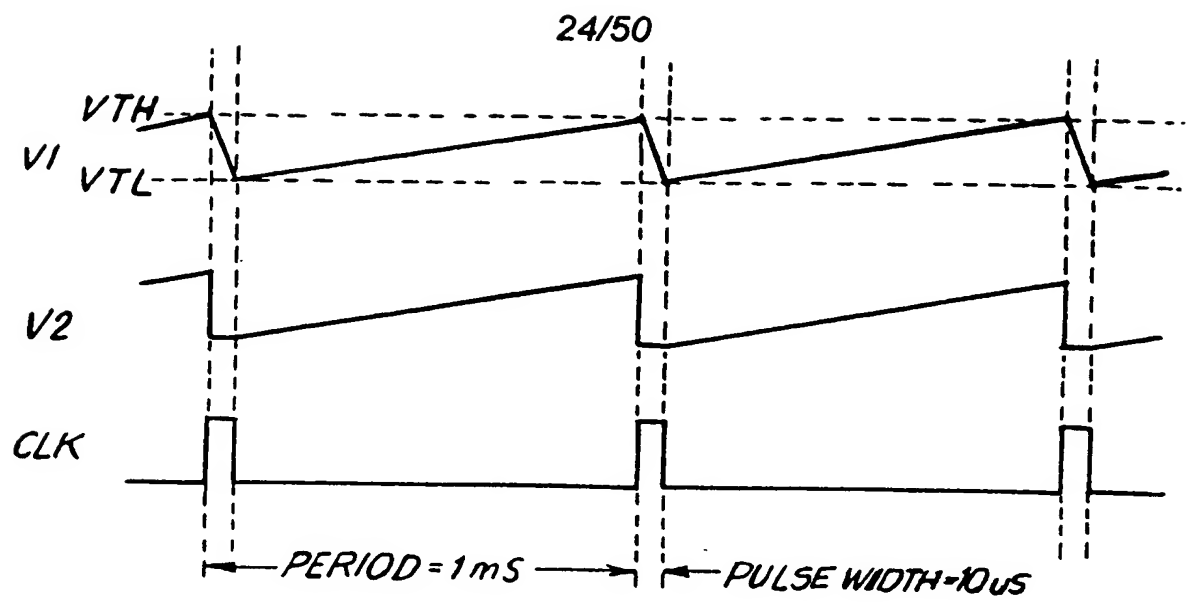


FIG. 8G

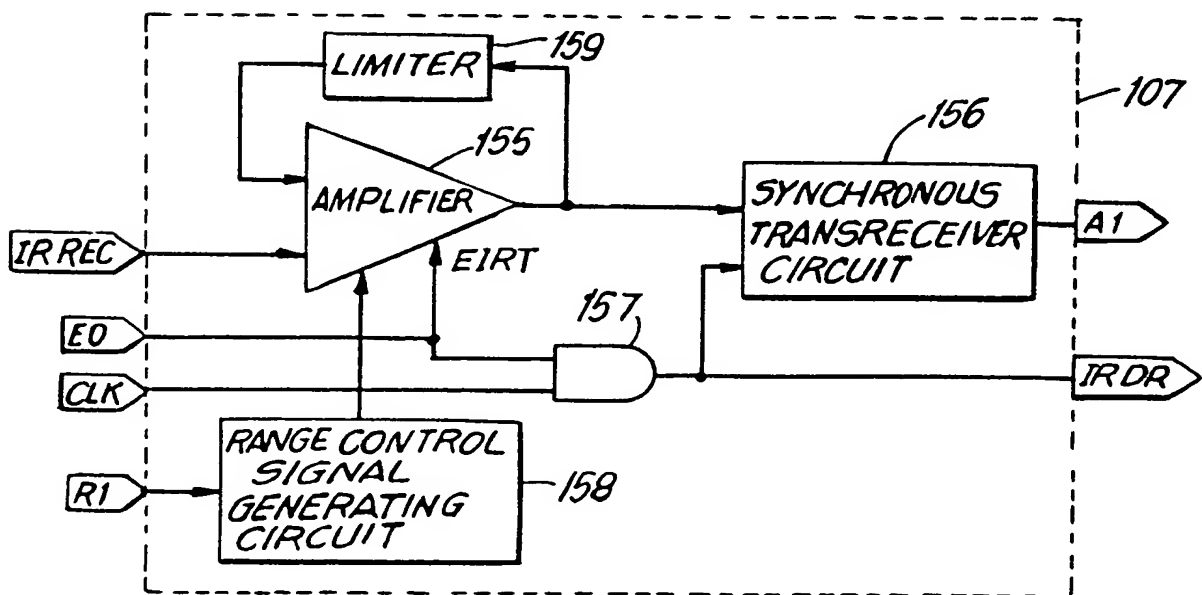
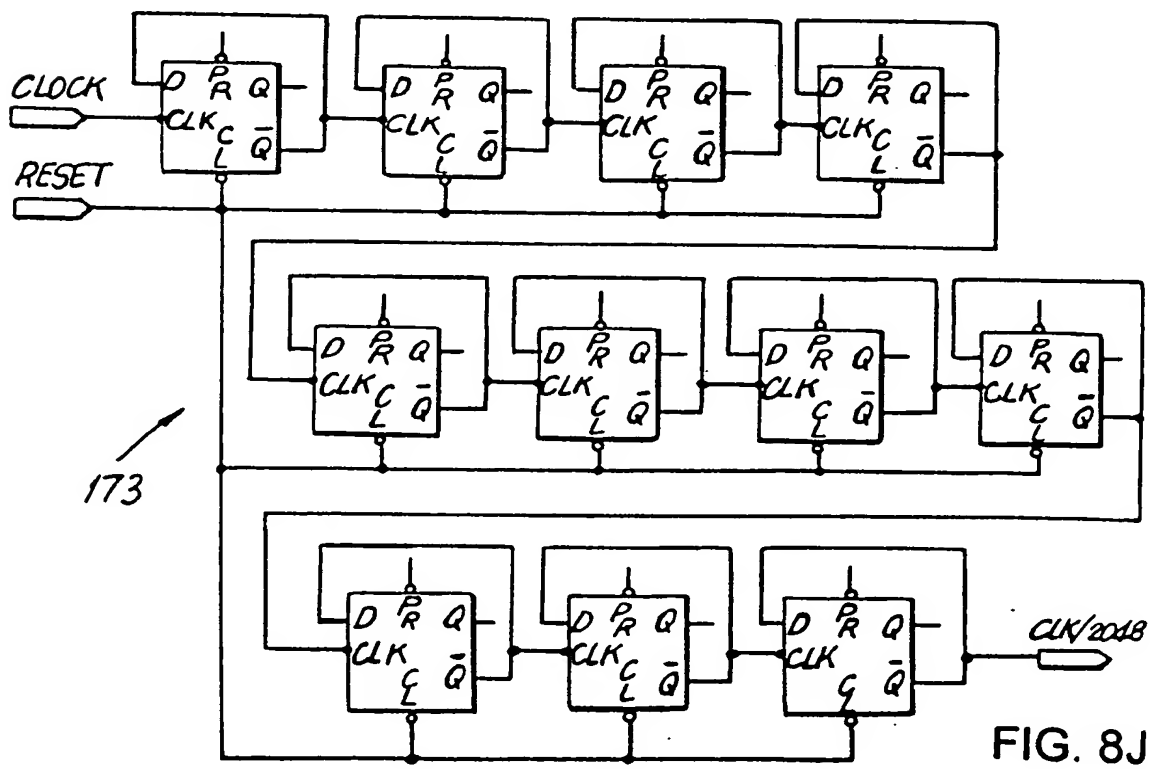
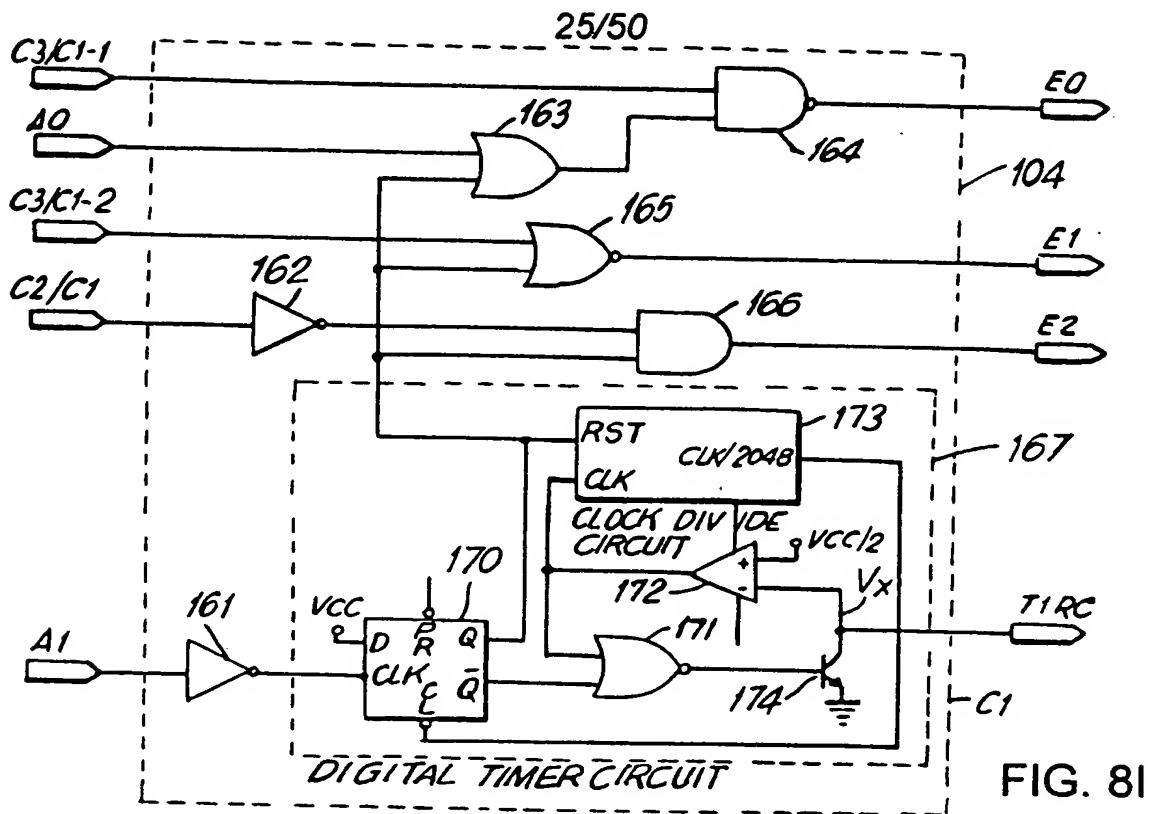


FIG. 8H



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$$E_0 = (B + A_0) (C_3 / C_2 - 1)$$

$$E_1 = (C_3 / C_2 - 2) + B$$

$$E_2 = (C_2 / C_1) (T_1)$$

FIG. 8K

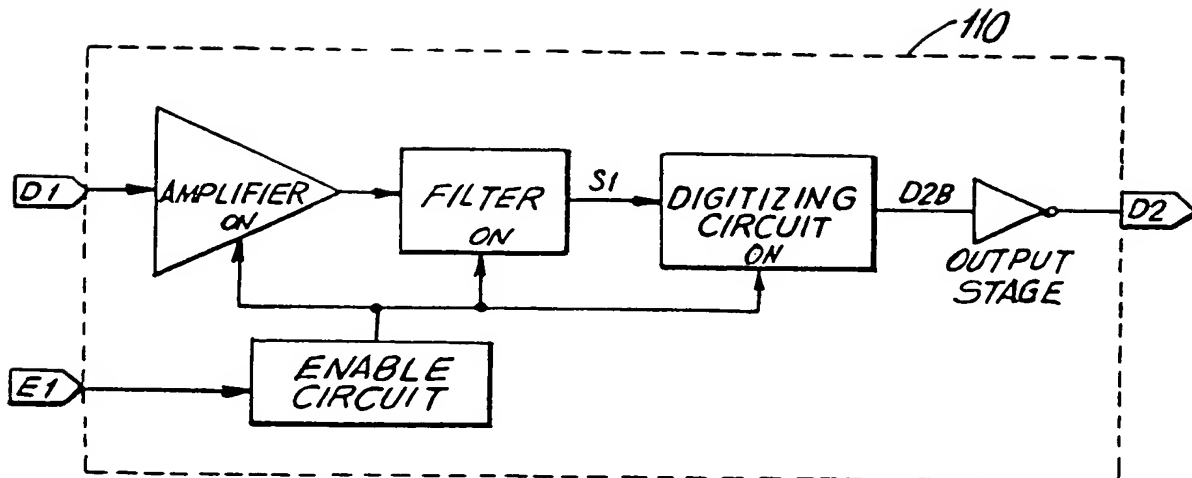


FIG. 8L

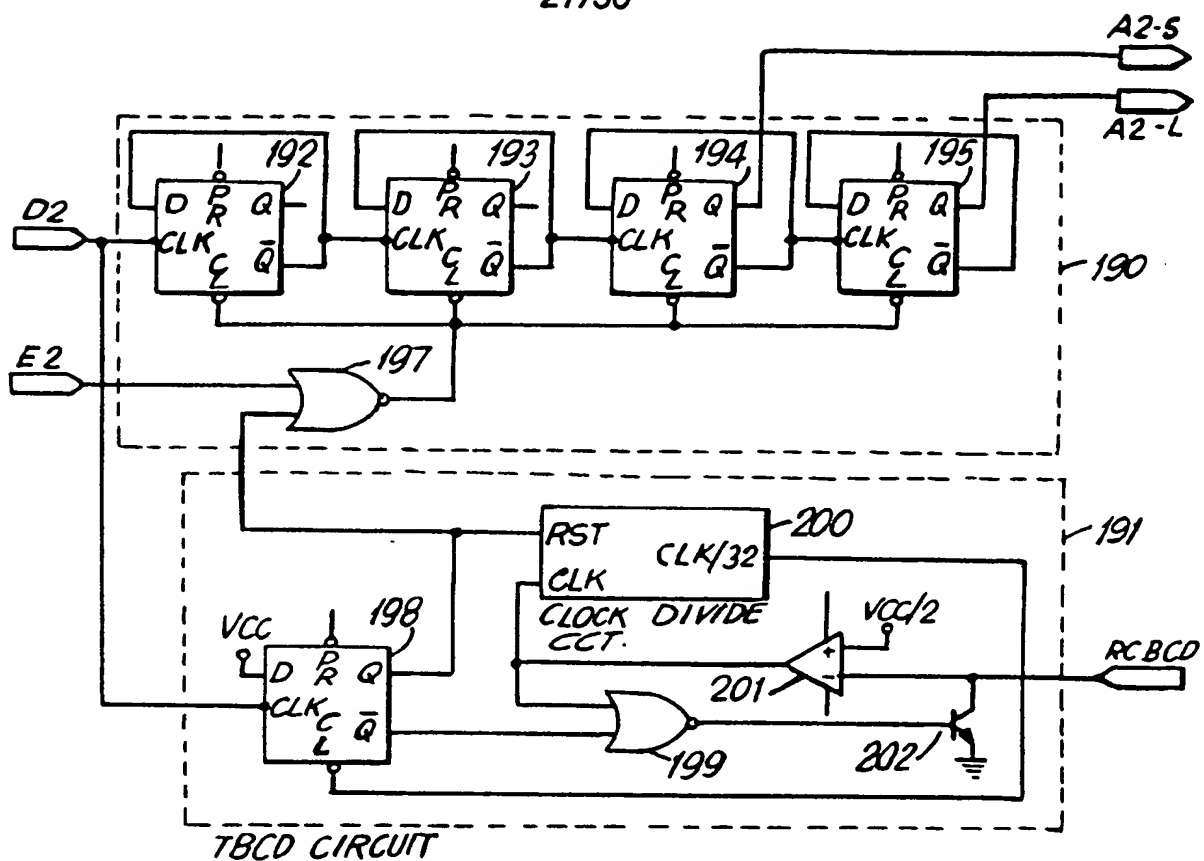


FIG. 8M

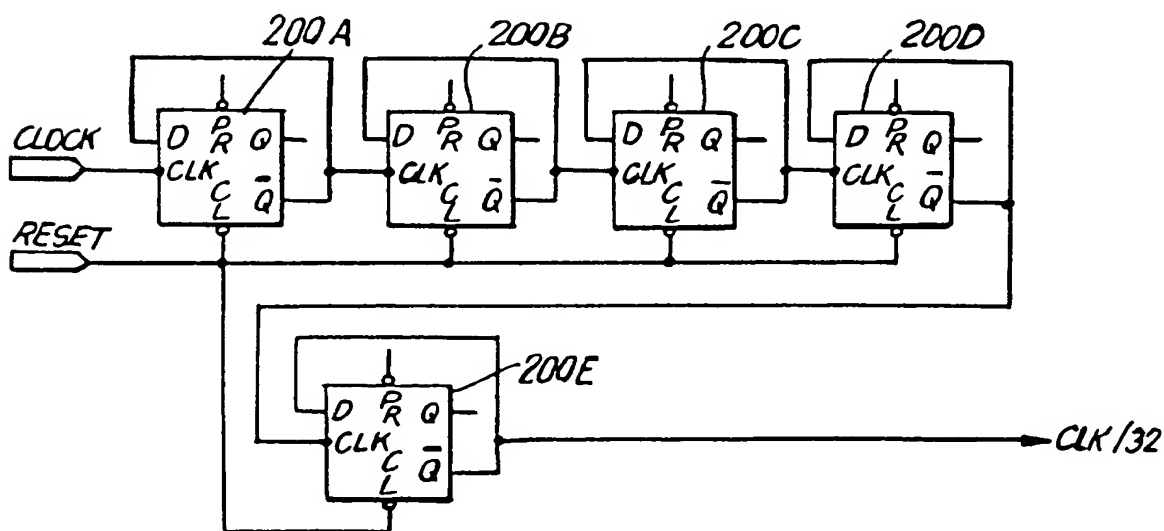


FIG. 8N

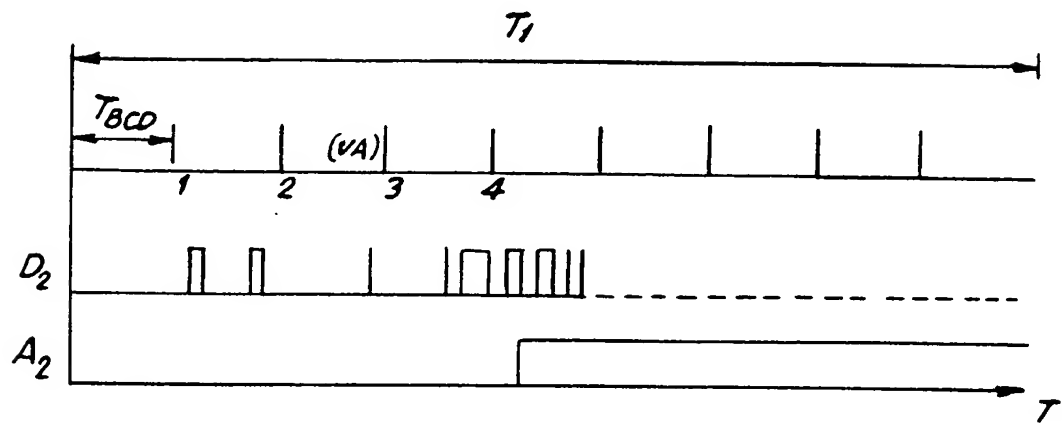


FIG. 8O

R	C_3/C_2-1	C_3/C_2-2	E_3	C_2/C_1
0	X	X	A_{2L}	0
1	0	0	A_{2L}	0
1	0	1	A_{2S}	0
X	1	1	X	1

X = DON'T CARE

FIG. 8Q

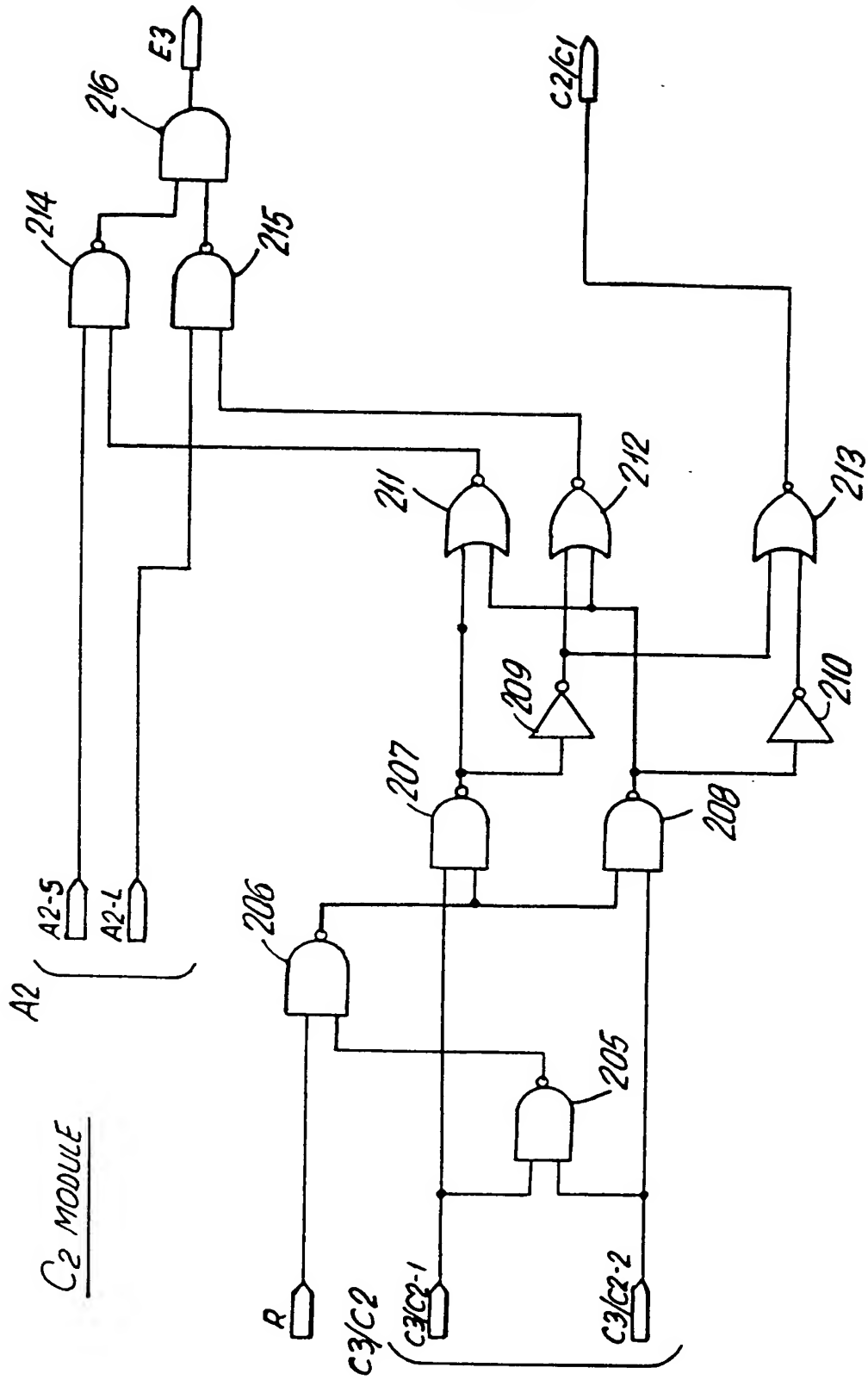


FIG. 8P

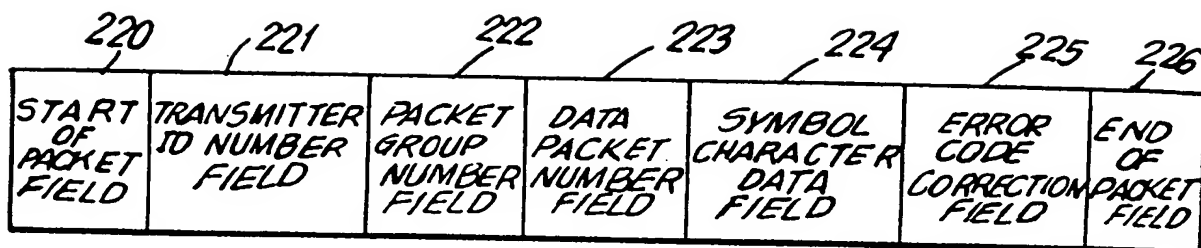


FIG. 8R

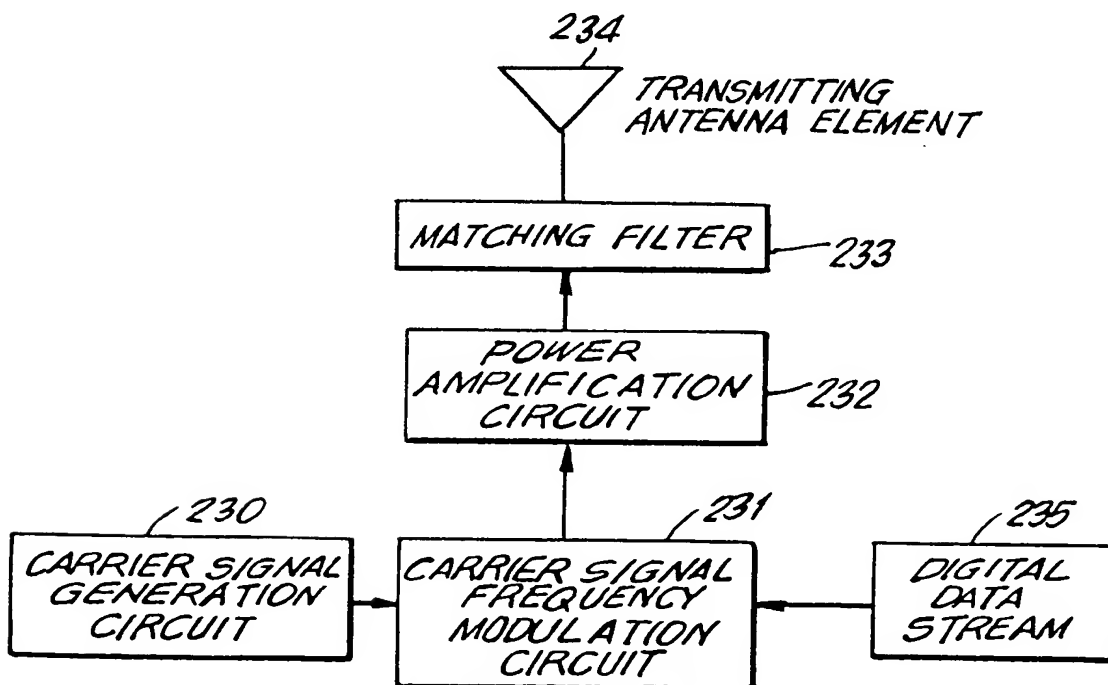


FIG. 9

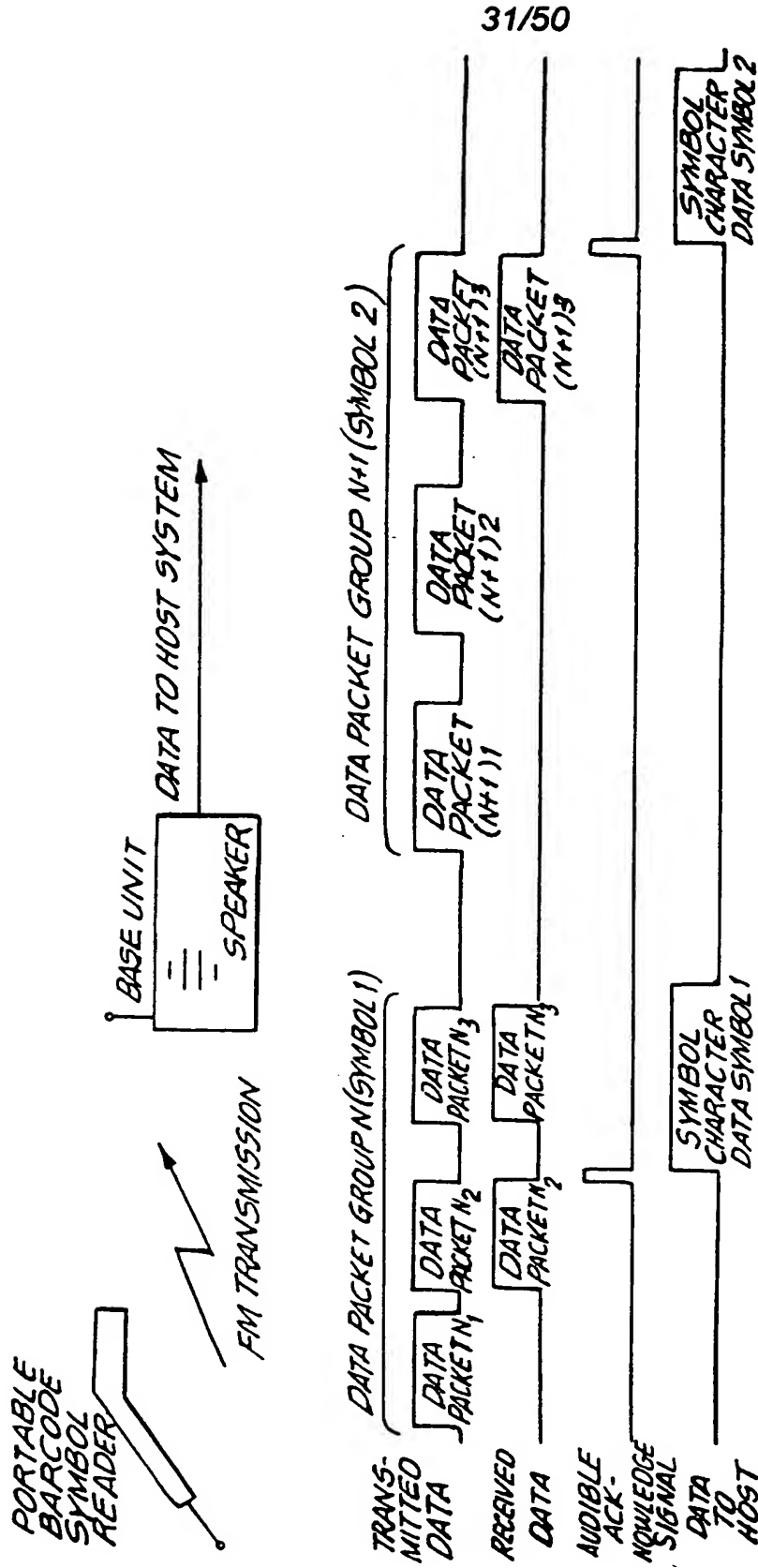


FIG. 10

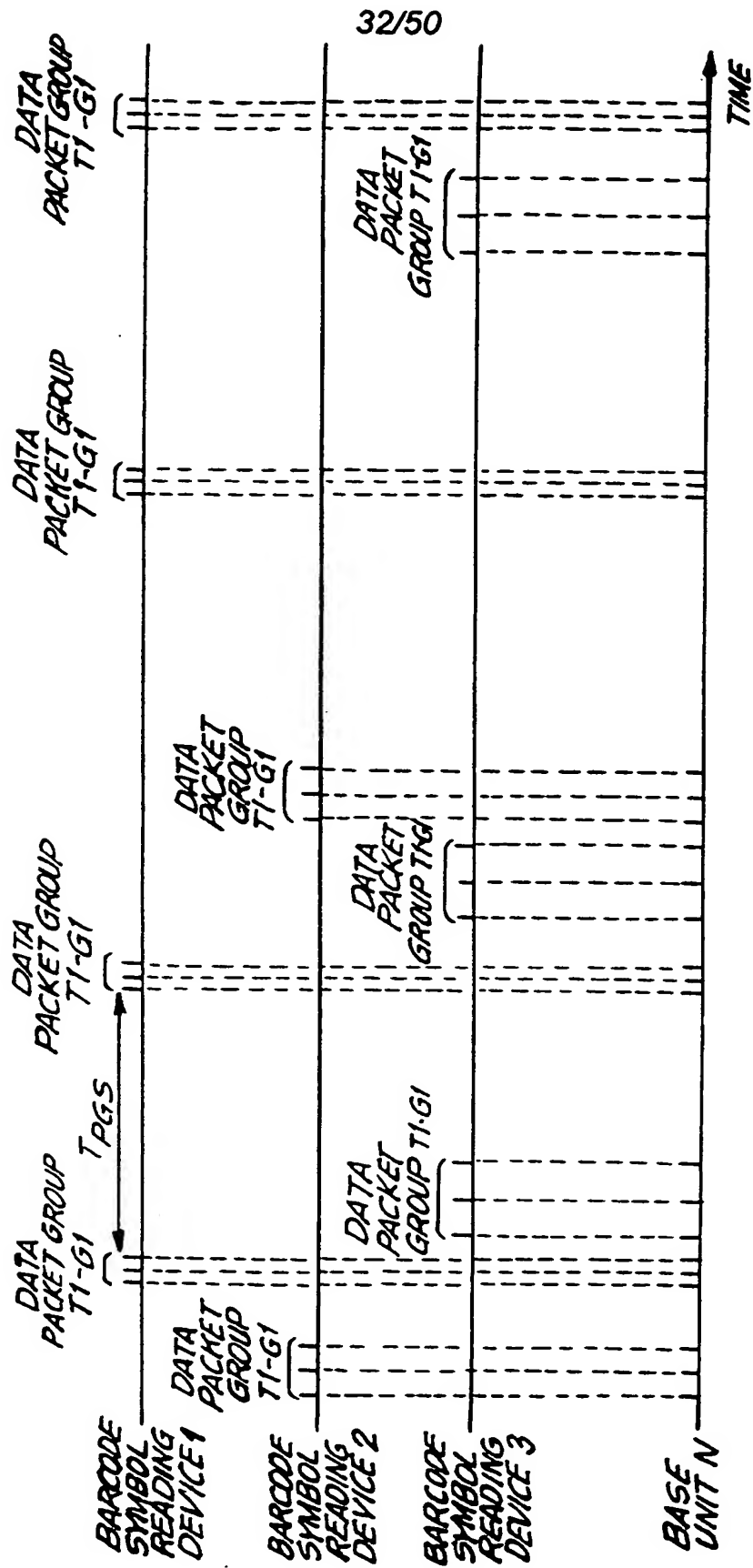


FIG. 11

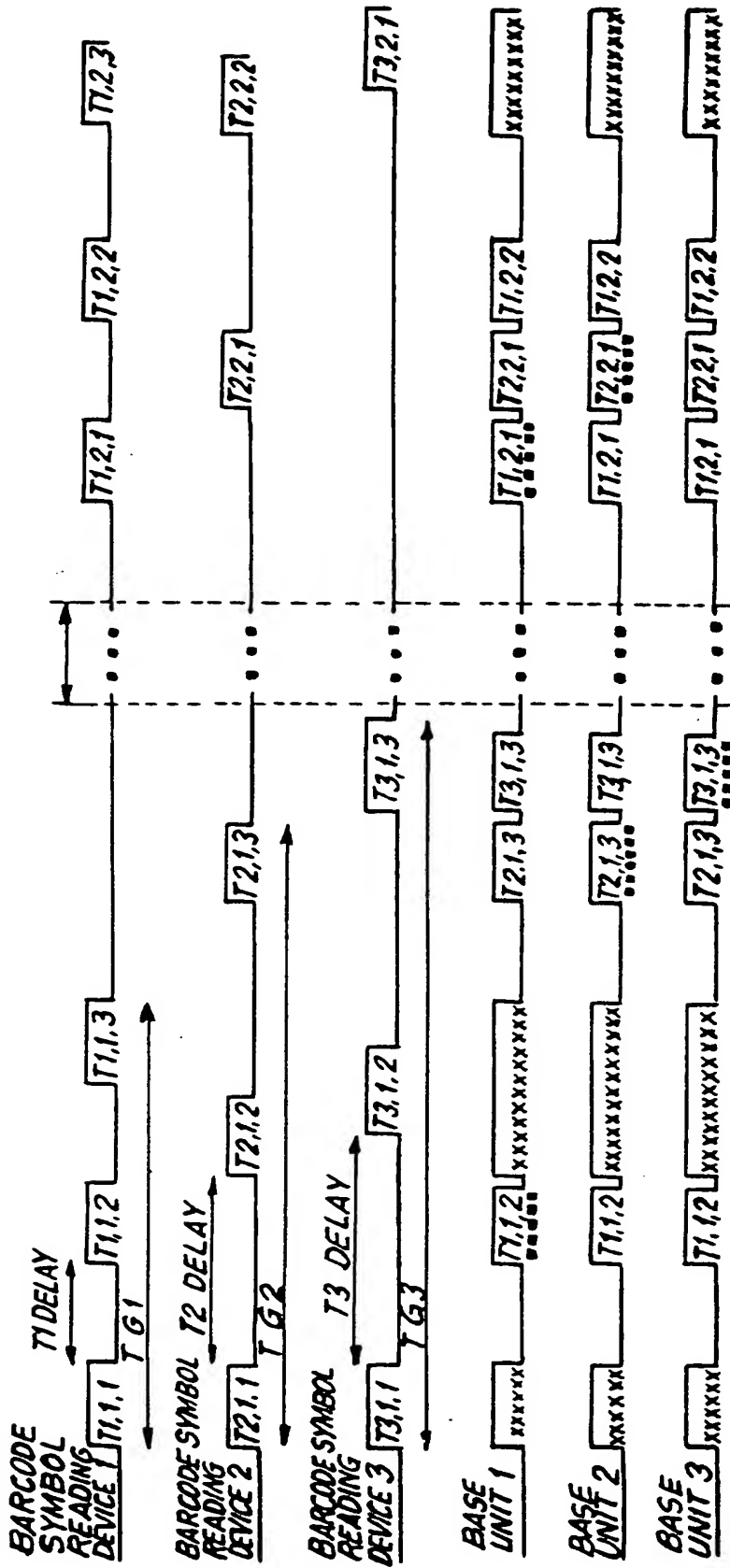


FIG. 12

DATA PACKET NOTATION:
 TRANSMITTER #, GROUP #, TRANSMITTERS #
 xxx DENOTES INTERFERENCE FROM MULTIPLE TRANSMITTERS
 DENOTES DATA THAT WILL PRODUCE ACKNOWLEDGE

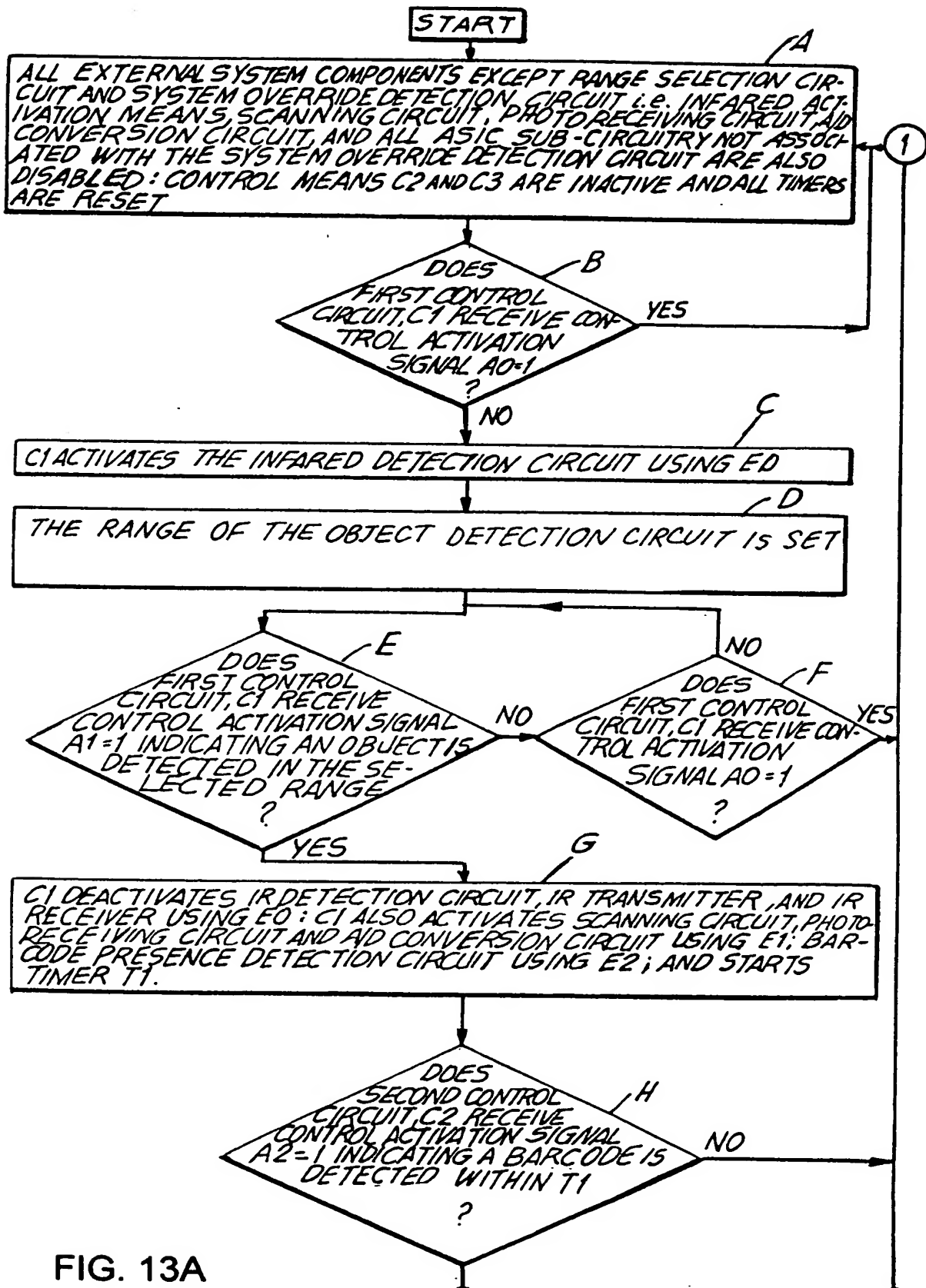


FIG. 13A

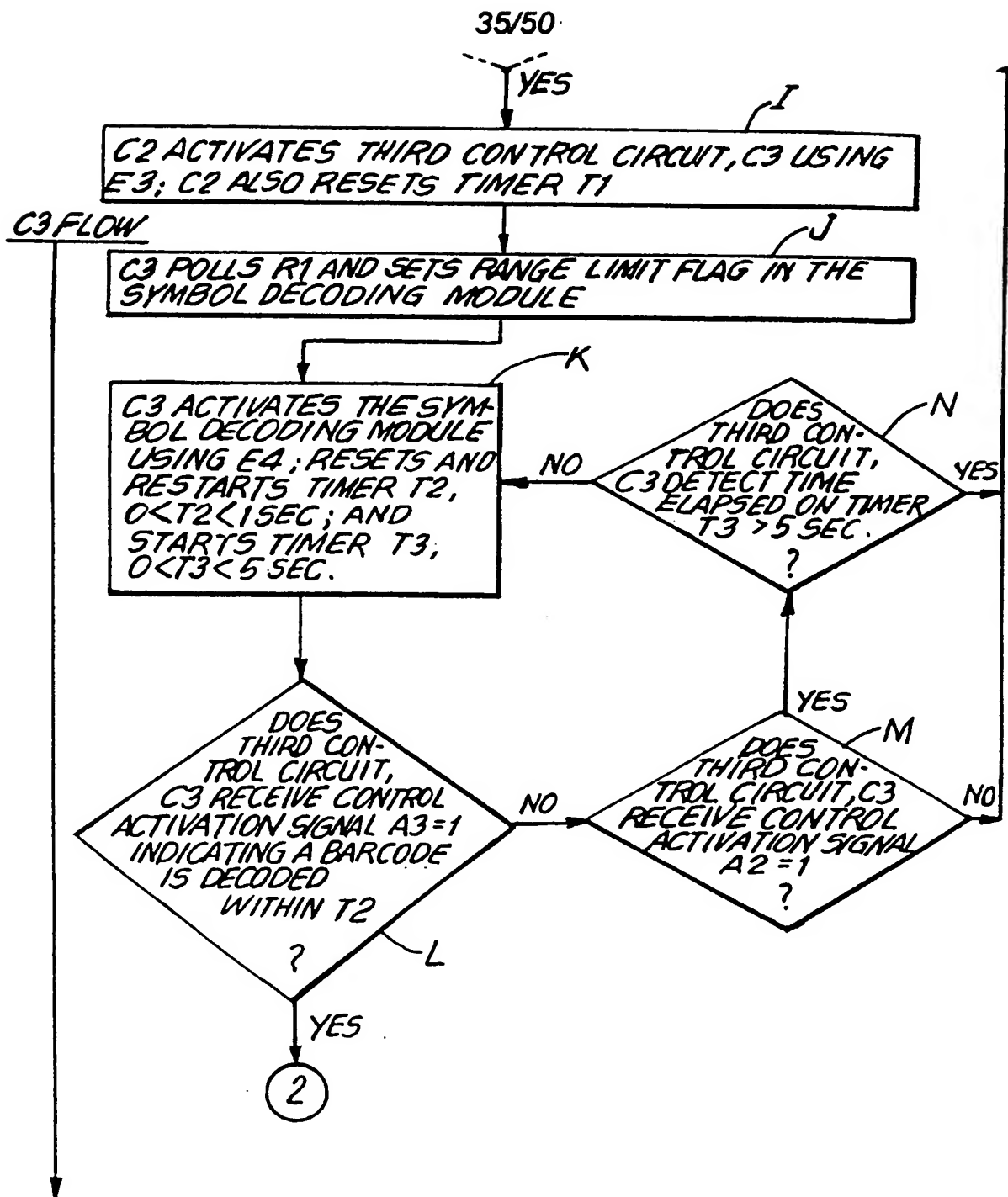


FIG. 13AA

C3 FLOW

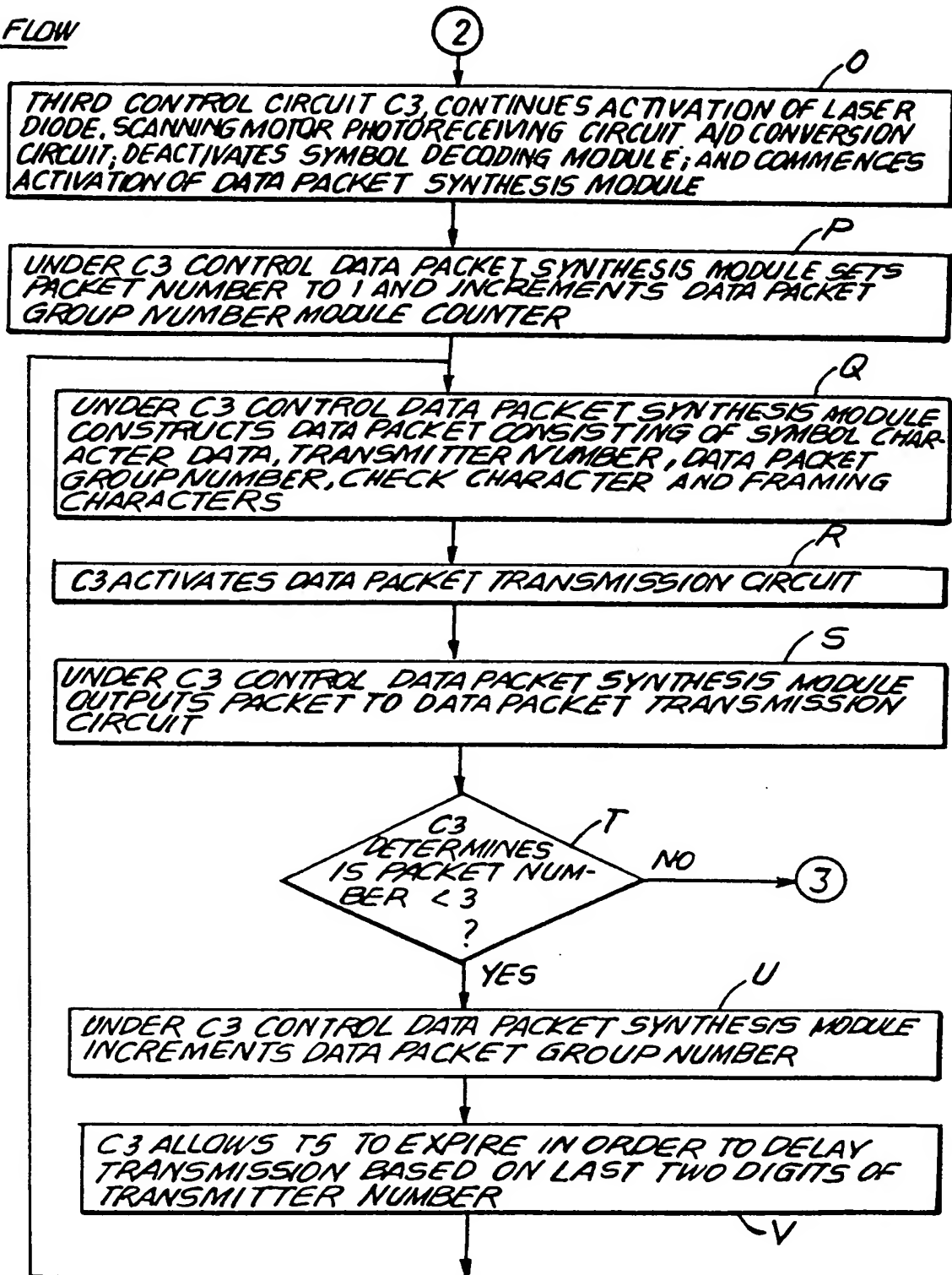


FIG. 13B

C3 FLOW

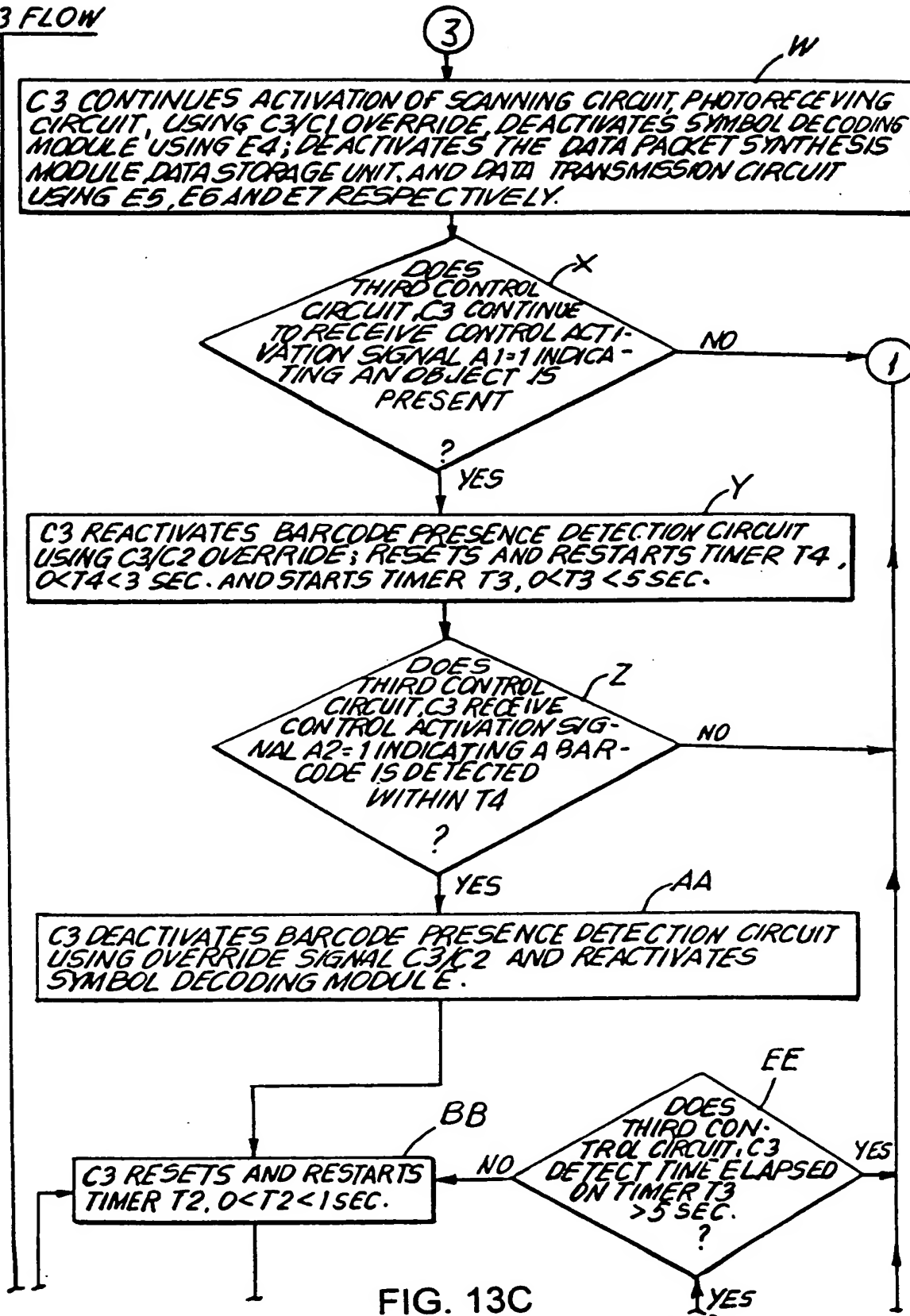


FIG. 13C

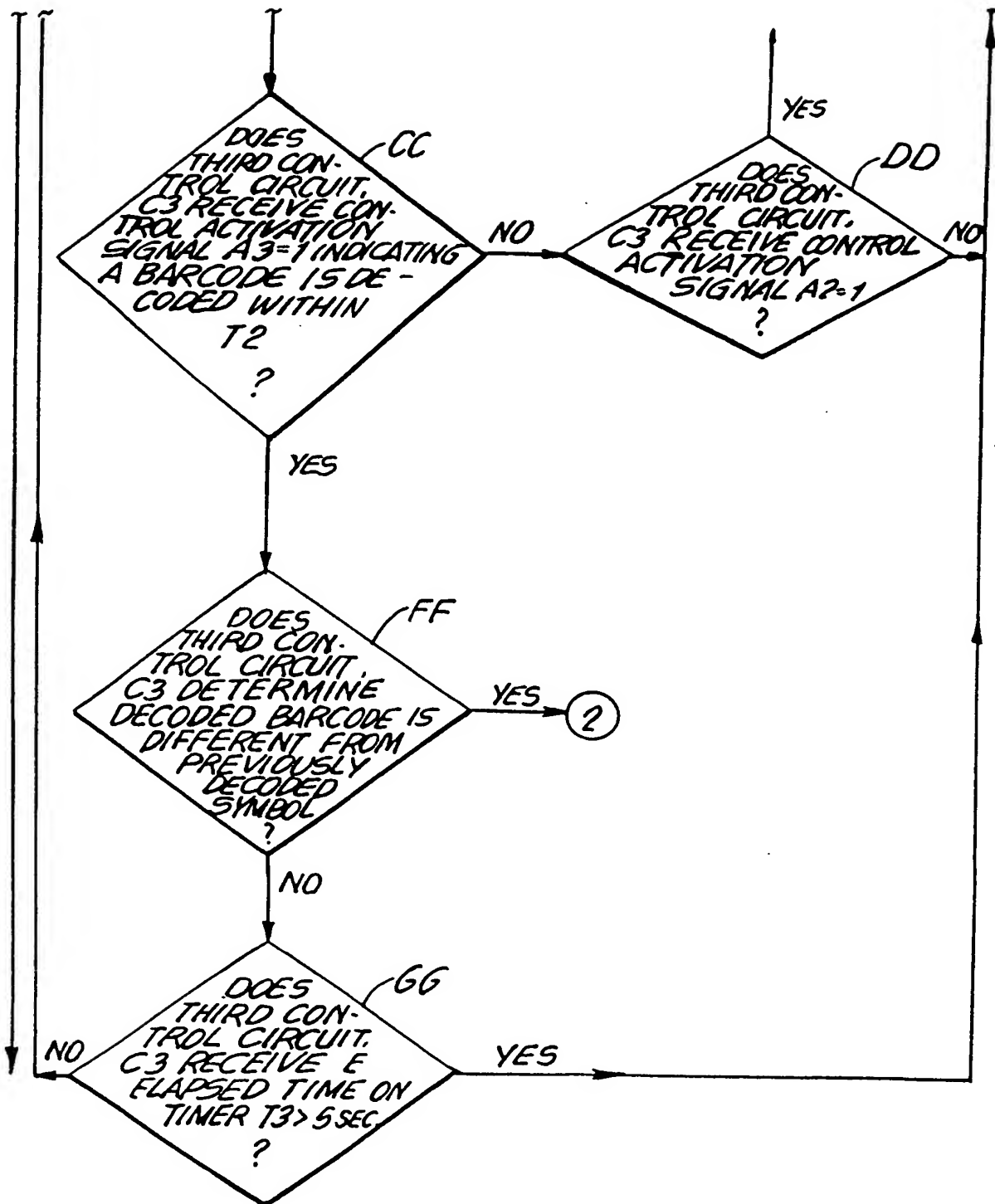


FIG. 13CC

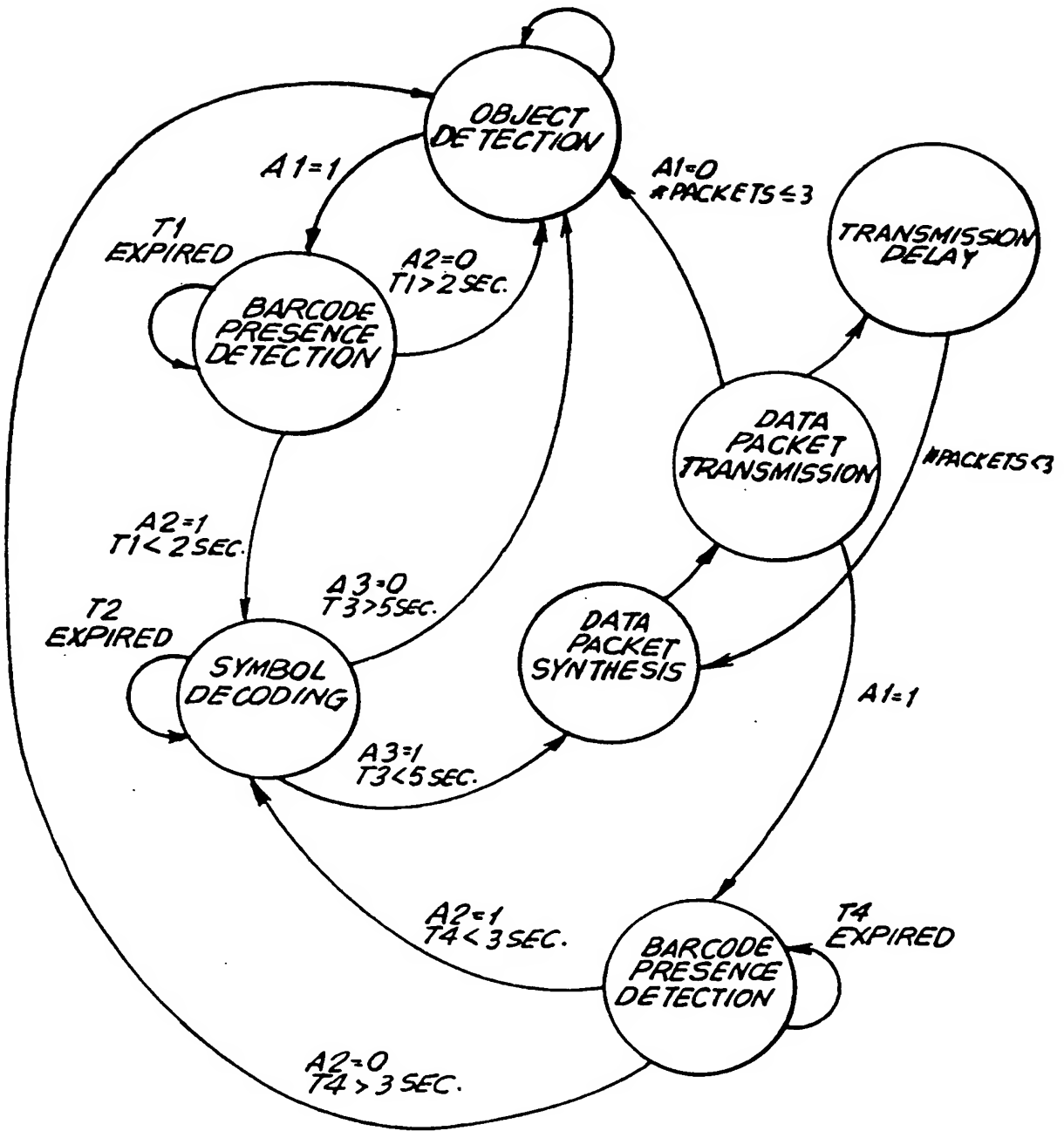
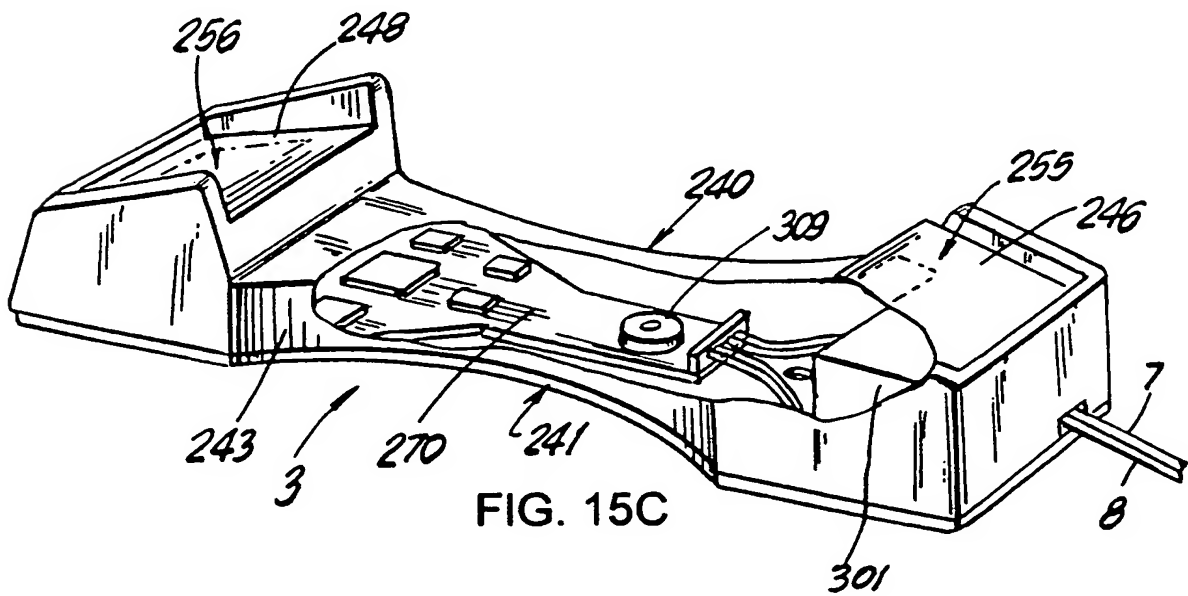
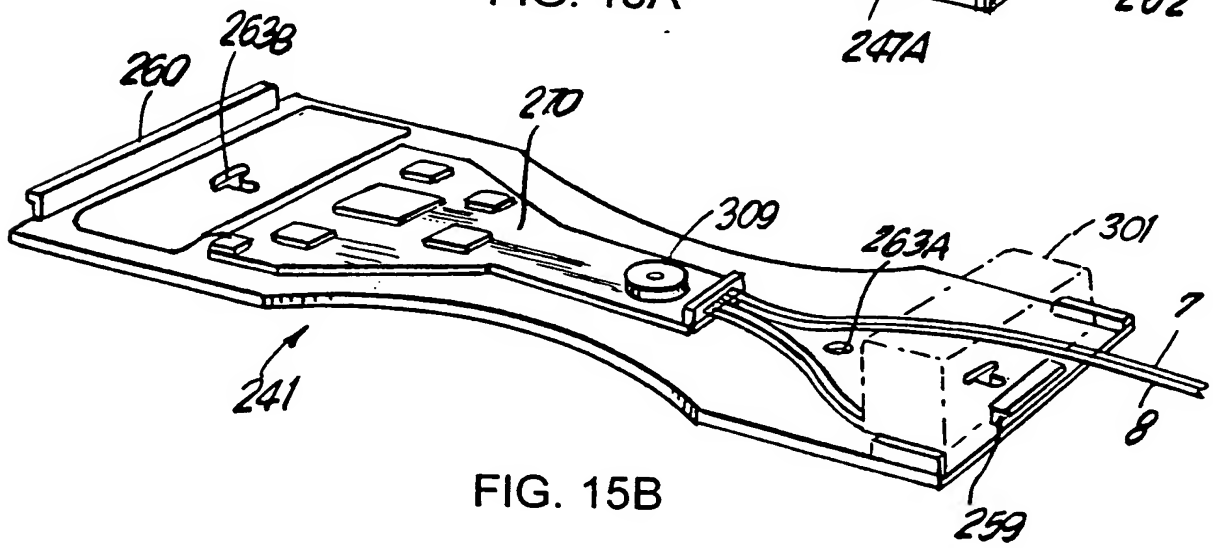
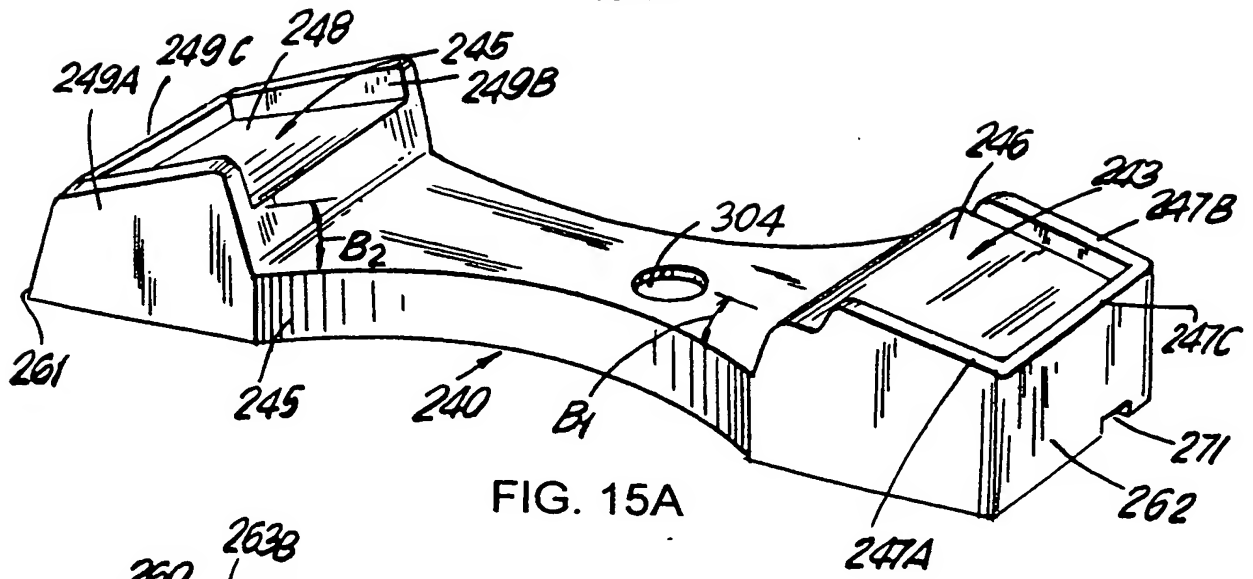


FIG. 14



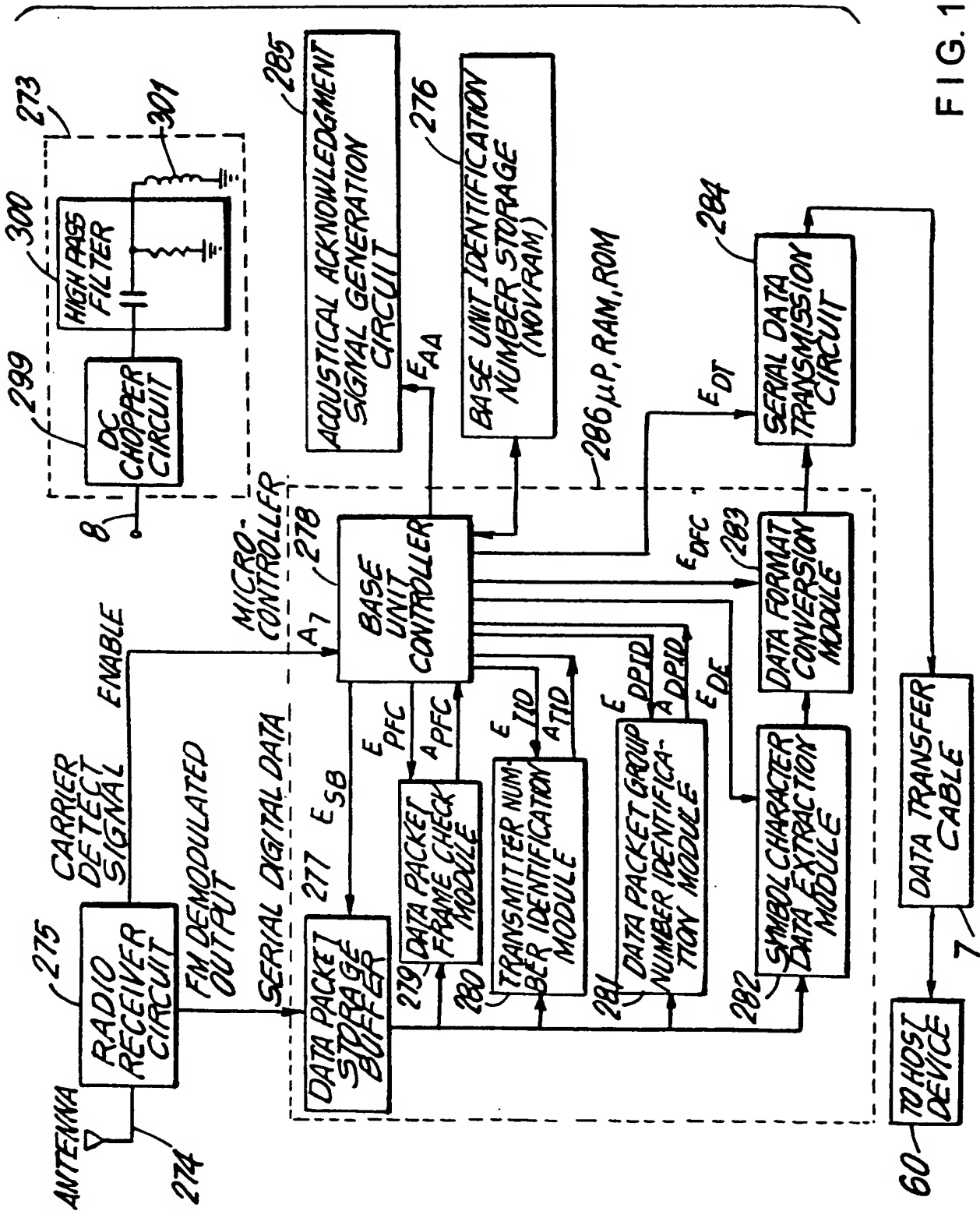


FIG. 16

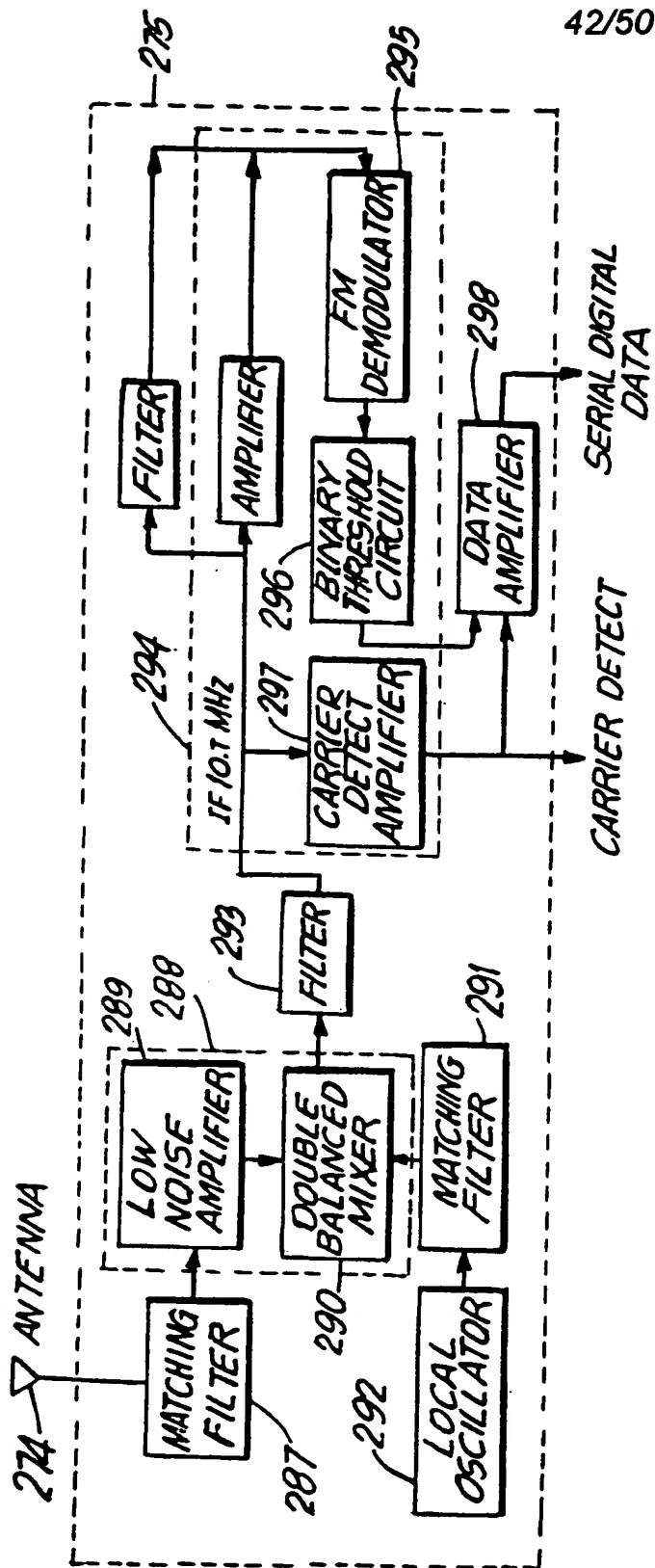


FIG. 16A

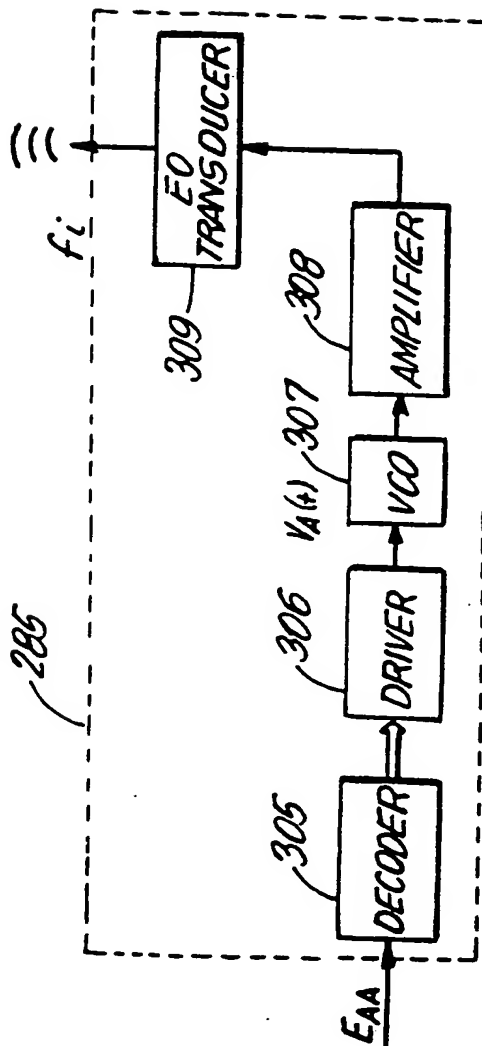


FIG. 16B

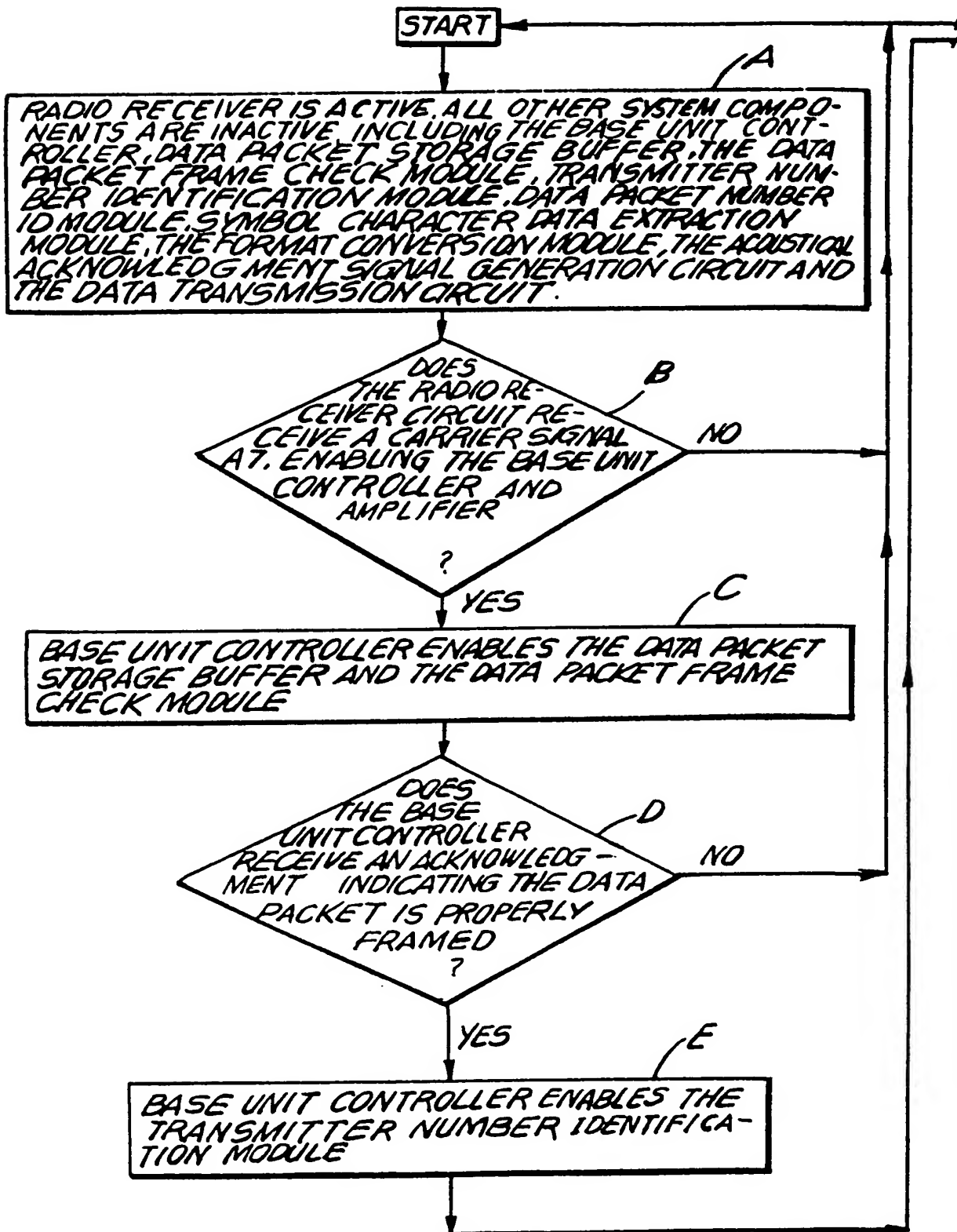


FIG. 17

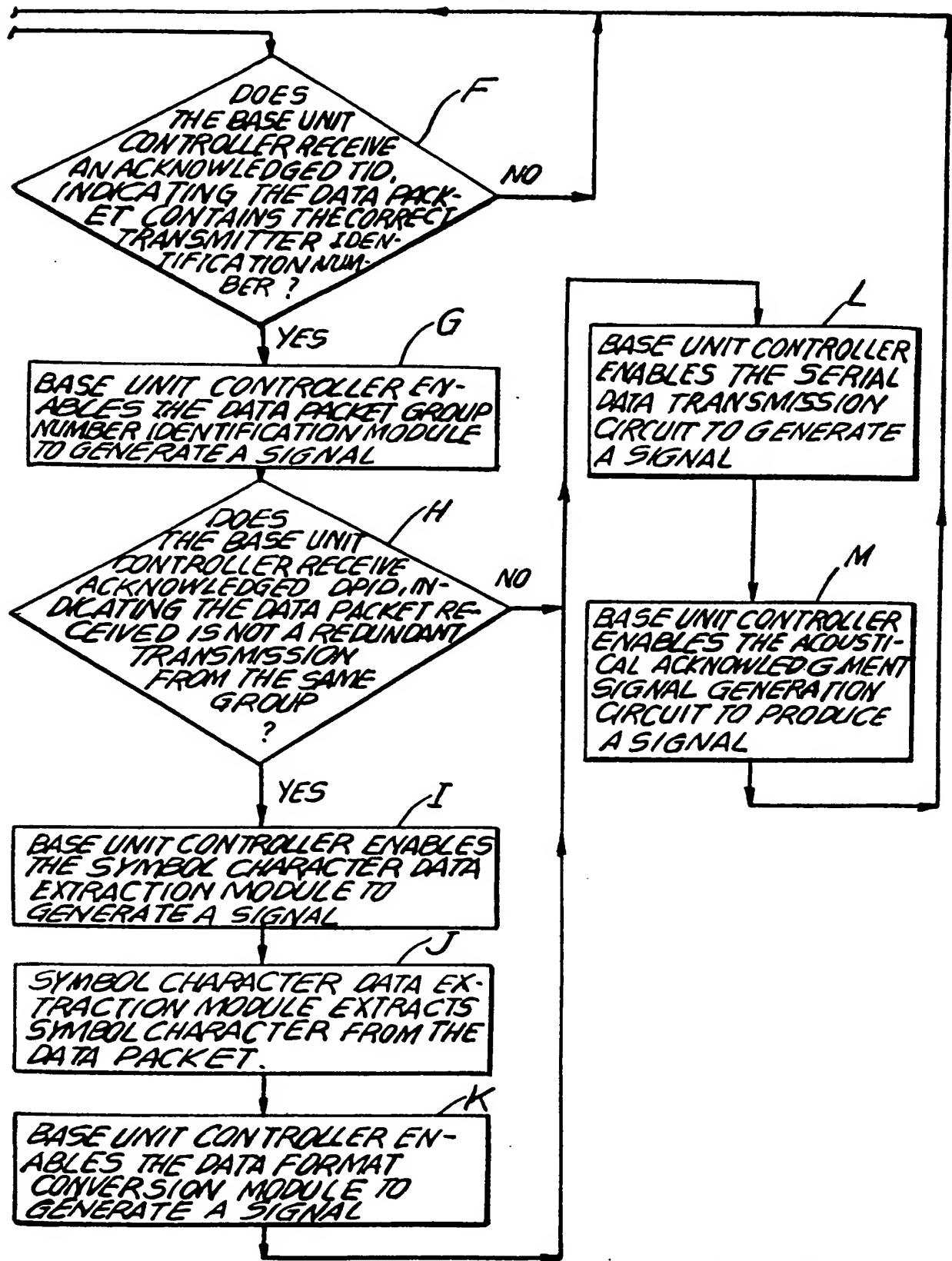


FIG. 17A

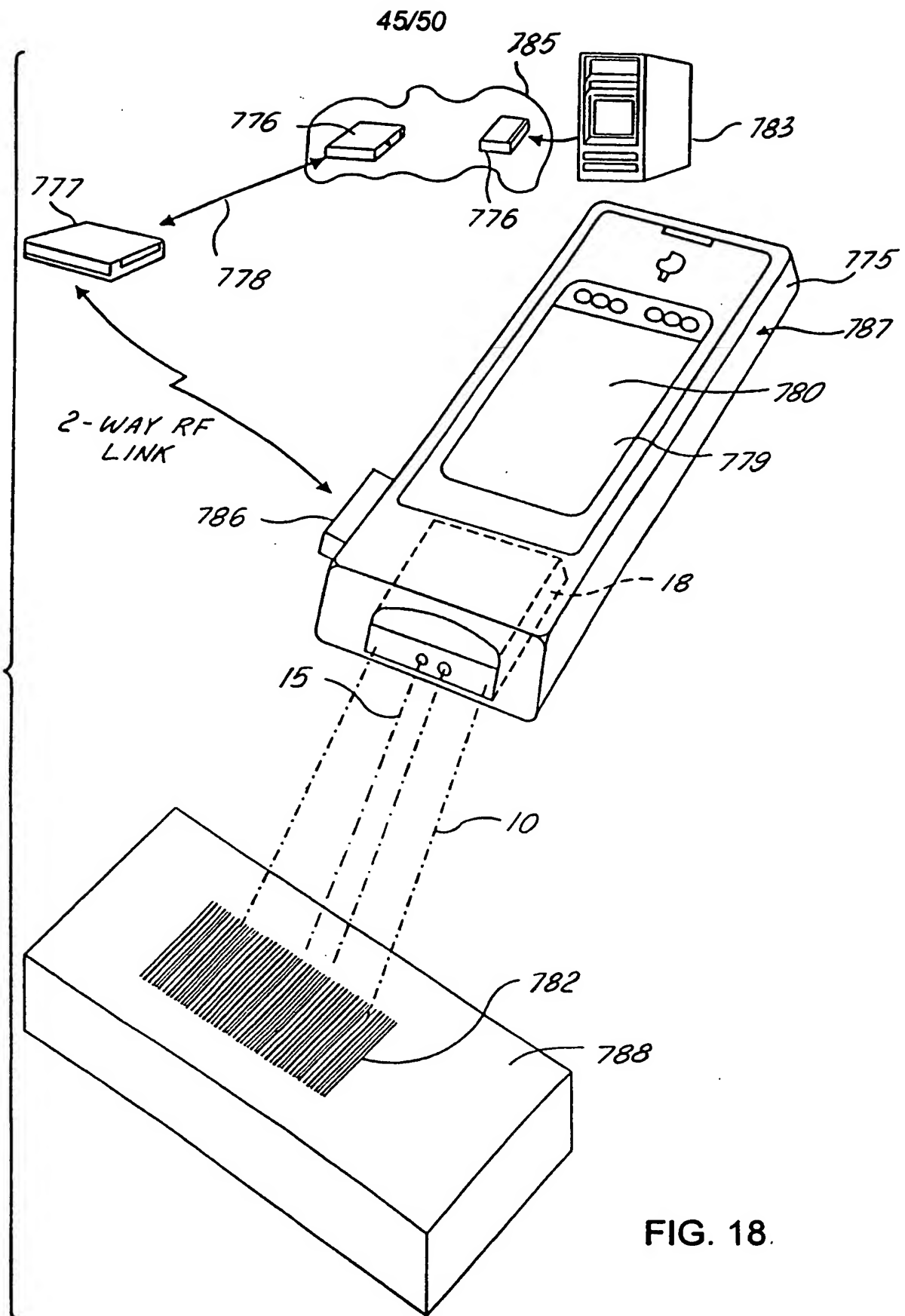


FIG. 18.

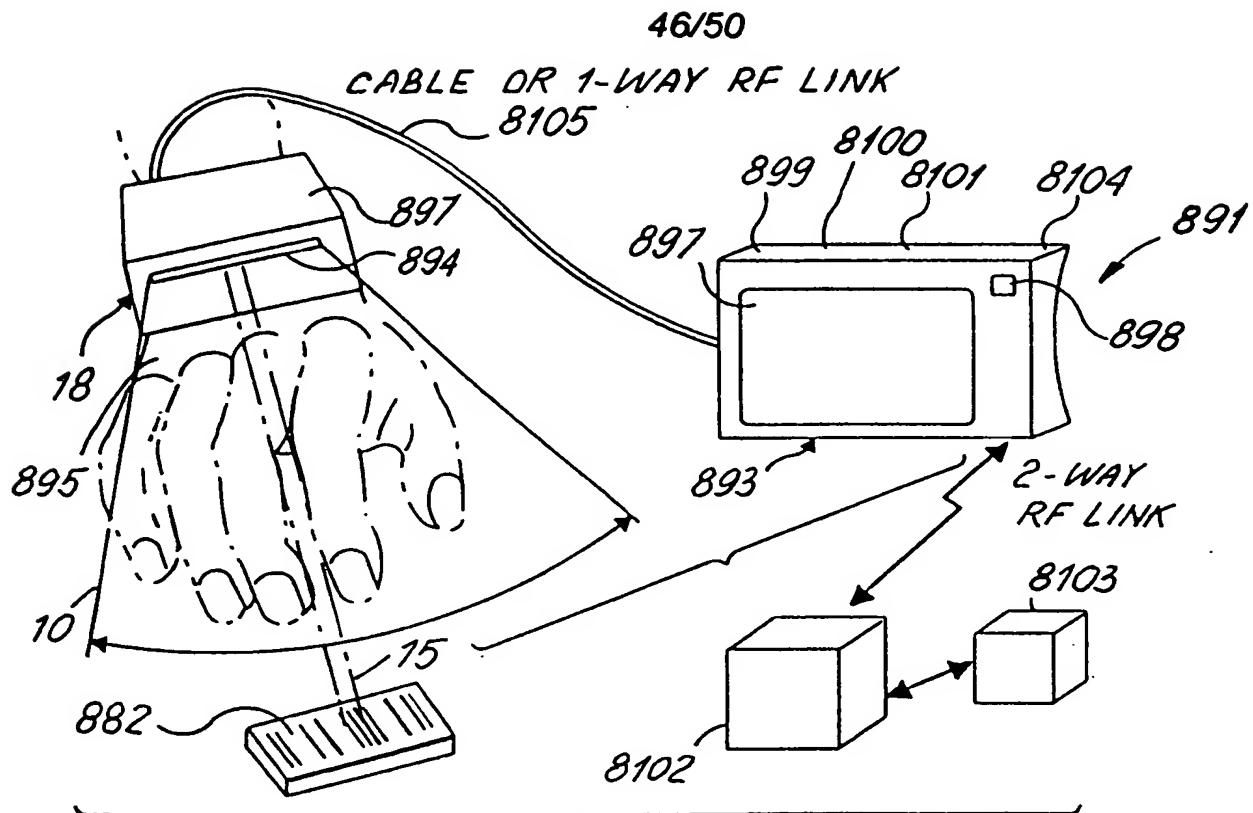


FIG. 19

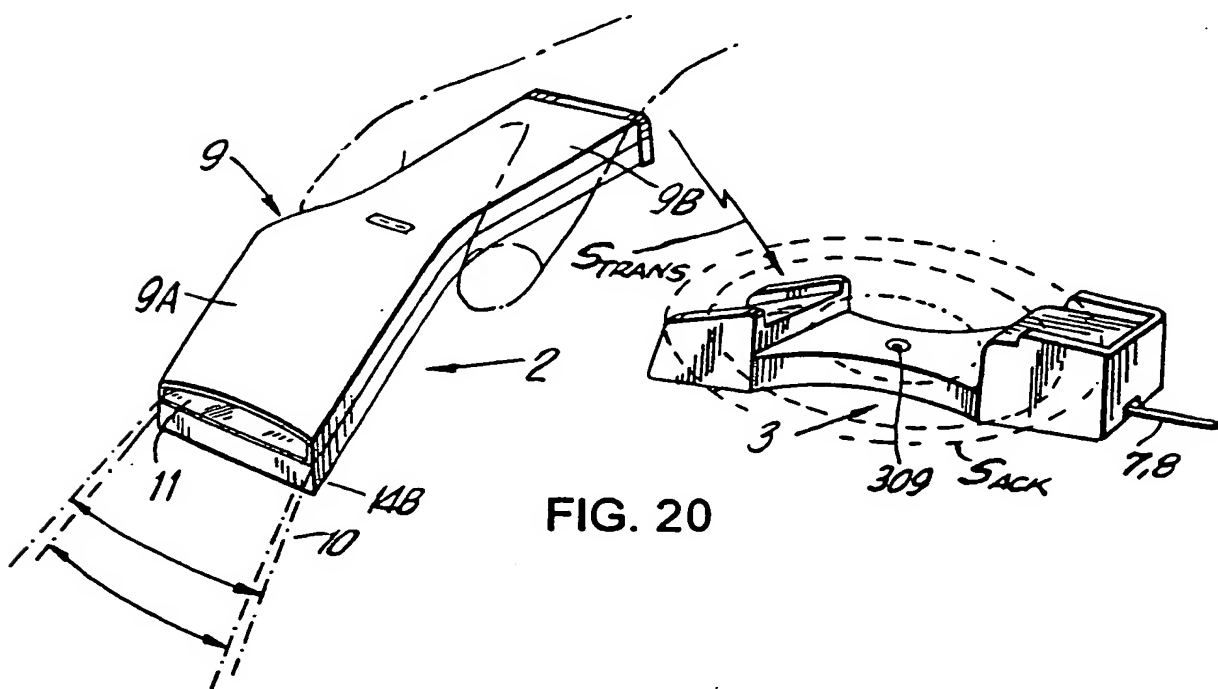


FIG. 20

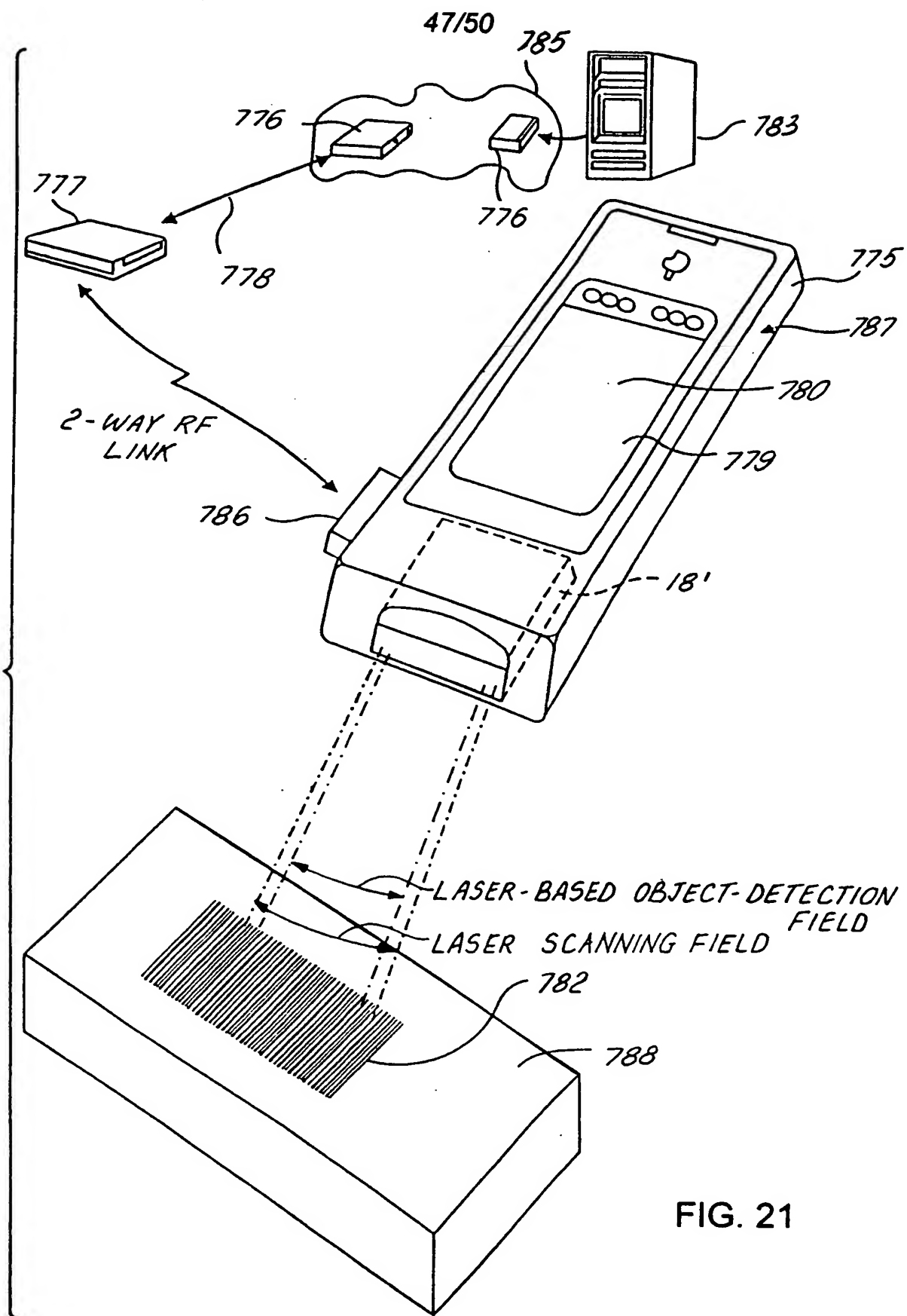


FIG. 21



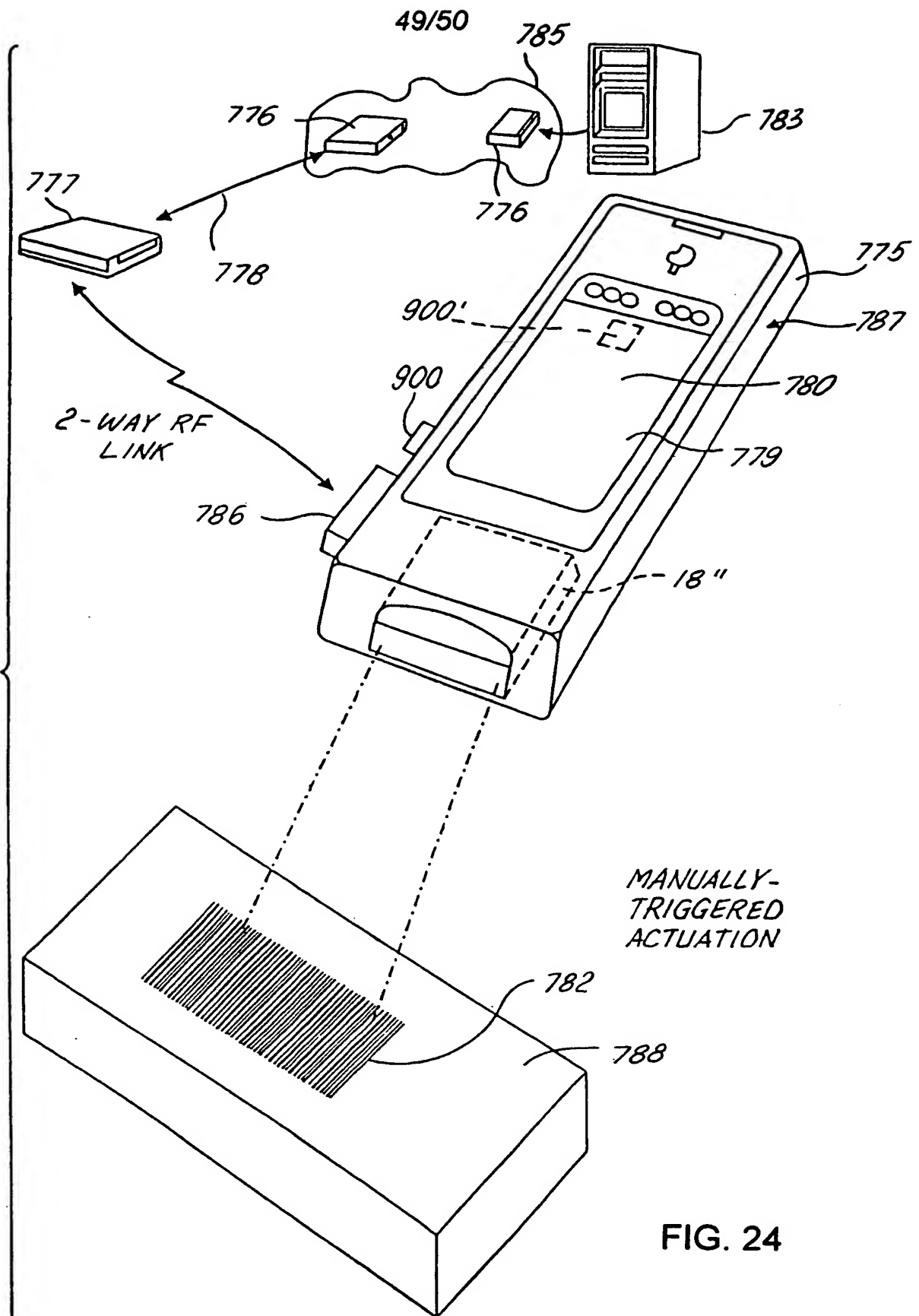


FIG. 24

